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<400> 15585

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 <223> unsure at all n locations
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<400> 15587

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 <213> *Aspergillus nidulans*
 <400> 15588

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 <400> 15589

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<212> DNA
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<212> DNA
<213> *Aspergillus nidulans*

<223> unsure at all n locations
<400> 15592

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 15593

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 <213> *Aspergillus nidulans*

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 <212> DNA
 <213> *Aspergillus nidulans*

<223> unsure at all n locations
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<212> DNA
<213> Aspergillus nidulans

<400> 15609

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<213> Aspergillus nidulans

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<212> DNA
<213> Aspergillus nidulans

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<400> 15613

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<400> 15614

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<400> 15615

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<212> DNA
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<210> 15617
 <211> 485
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 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 15617

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 <213> Aspergillus nidulans
 <400> 15618

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<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
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<211> 562
<212> DNA
<213> *Aspergillus nidulans*
<400> 15620

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<211> 501
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<400> 15621

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<210> 15622
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 <212> DNA
 <213> Aspergillus nidulans

<400> 15622

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<210> 15623
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 <212> DNA
 <213> Aspergillus nidulans

<400> 15623

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 <211> 129

<212> DNA
<213> Aspergillus nidulans

<400> 15624

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<210> 15625
<211> 125
<212> DNA
<213> Aspergillus nidulans

<400> 15625

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<210> 15626
<211> 456
<212> DNA
<213> Aspergillus nidulans

<400> 15626

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<210> 15627
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<212> DNA
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<210> 15628

<211> 643

<212> DNA

<213> *Aspergillus nidulans*

<400> 15628

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<210> 15629

<211> 496

<212> DNA

<213> *Aspergillus nidulans*

<400> 15629

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<211> 454
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 15630

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<210> 15631
<211> 590
<212> DNA
<213> Aspergillus nidulans
<400> 15631

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<210> 15632
<211> 549
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 15632

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<212> DNA
<213> Aspergillus nidulans

<400> 15633

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<210> 15634
<211> 378
<212> DNA
<213> Aspergillus nidulans

<400> 15634

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<210> 15636
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<400> 15636

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 <213> *Aspergillus nidulans*

<400> 15637

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<210> 15639
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 <212> DNA
 <213> Aspergillus nidulans

<400> 15639

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<210> 15640
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<400> 15640

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 <213> Aspergillus nidulans

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 <212> DNA
 <213> Aspergillus nidulans

<400> 15643

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<400> 15645

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<213> Aspergillus nidulans

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 <213> *Aspergillus nidulans*

<400> 15707

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 <213> Aspergillus nidulans
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 <213> Aspergillus nidulans
 <223> unsure at all n locations
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<213> Aspergillus nidulans
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<400> 15711

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 <213> *Aspergillus nidulans*

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<212> DNA
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<212> DNA
<213> *Aspergillus nidulans*

<400> 15718

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<210> 15719

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<212> DNA

<213> *Aspergillus nidulans*

<400> 15719

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<400> 15720

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<213> *Aspergillus nidulans*

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<400> 15725

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<400> 15734

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<400> 15736

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<400> 15738

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<213> *Aspergillus nidulans*

<400> 15740

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<400> 15741

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 <213> *Aspergillus nidulans*

<400> 15742

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gctaagagcc tgctttgccc gcaatcactg tgcgatccta cccggtaggg aagaagcgtc 240
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<212> DNA
<213> *Aspergillus nidulans*

<223> unsure at all n locations
<400> 15743

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 15744

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 <211> 524
 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 15747
 <211> 517
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 15747
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<210> 15748
 <211> 485
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 15748
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<210> 15749
<211> 290
<212> DNA
<213> Aspergillus nidulans

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<210> 15750
<211> 3742
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 15750

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 <213> Aspergillus nidulans

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<213> Aspergillus nidulans

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<212> DNA
<213> Aspergillus nidulans

<400> 15757

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<211> 458

<212> DNA

<213> *Aspergillus nidulans*

<400> 15758

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<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 15759

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 <213> *Aspergillus nidulans*

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<213> Aspergillus nidulans

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<211> 521

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<213> Aspergillus nidulans

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<213> Aspergillus nidulans

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<212> DNA

<213> *Aspergillus nidulans*

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 <213> *Aspergillus nidulans*
 <400> 15787

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<400> 15788

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<400> 15789

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<212> DNA

<213> *Aspergillus nidulans*

<400> 15790

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<212> DNA

<213> *Aspergillus nidulans*

<400> 15791

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<212> DNA
<213> *Aspergillus nidulans*

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<212> DNA
<213> *Aspergillus nidulans*

<400> 15794

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<212> DNA
<213> *Aspergillus nidulans*

<223> unsure at all n locations
<400> 15795

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 <213> *Aspergillus nidulans*
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 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 15797

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 <213> Aspergillus nidulans
 <223> unsure at all n locations
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 <223> unsure at all n locations

<400> 15799

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<210> 15800

<211> 891

<212> DNA

<213> Aspergillus nidulans

<400> 15800

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 <212> DNA
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<400> 15801

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 <213> *Aspergillus nidulans*

<400> 15802

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<400> 15803

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<213> *Aspergillus nidulans*
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 15826

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<212> DNA

<213> *Aspergillus nidulans*

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 <211> 554
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 <213> *Aspergillus nidulans*

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<210> 15856
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 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
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 <213> Aspergillus nidulans
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<213> *Aspergillus nidulans*

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<210> 15859
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<212> DNA
<213> *Aspergillus nidulans*

<400> 15859
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<210> 15860
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<212> DNA
<213> *Aspergillus nidulans*

<400> 15860

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<210> 15861
<211> 553
<212> DNA
<213> Aspergillus nidulans

<400> 15861

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<210> 15862
<211> 592
<212> DNA
<213> Aspergillus nidulans

<400> 15862

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<210> 15863
<211> 4047
<212> DNA
<213> *Aspergillus nidulans*

<400> 15863

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<212> DNA
<213> Aspergillus nidulans
<400> 15864

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<213> Aspergillus nidulans

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<400> 15869

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<400> 15883

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<400> 15902

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<400> 15903

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<210> 15928

<211> 226

<212> DNA

<213> Aspergillus nidulans

<400> 15928

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<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations
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<210> 15931
 <211> 654
 <212> DNA
 <213> Aspergillus nidulans

<400> 15931

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 atgcaattgt tttcggagat ccagcggat taatggctgt tcgtgaagta gcaccaaata 180
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 gtttcaattt atggagatga aatggaactc acatattggg cccgacgaca tttggtcac 540
 gatggattaa aggacttata gatgcttgag tgttgcttaa aatcgagggtg gactaaaaag 600
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<210> 15932
 <211> 1760
 <212> DNA
 <213> Aspergillus nidulans

<400> 15932

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 ggggagttga gtacgggctg ggtcaggagt gcgagggtgc ctaagtctgt acctgtataa 300
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 ctagactggc tgtataaaca taaatttgaa tgctgaacg gtgcaacagt caggtttgac 480
 gtaaacataa ctgggcgct caatatgtat atatgtcata agggatcaag gaacattcag 540
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 tgcgcaaccg taatcgattc atgatctcca tgggcaacat gaatactccc tggtcgtag 660
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 cttcgactgg ctgctttatt acattgaaat tgtgagattc gaggaaggac gctaggaatt 1620
 cgccaacagc ggactcgta ccggaaacag aggggattga gacgaggtct cggtgagggg 1680
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<210> 15933
 <211> 898
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 15933

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ctgtgaactg tggcagaggt tcgactgtct aaccttccta ctgtttcgag gcattaccga 180
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cggttctacc ccacctcgta aaaacccact actgcattct acgcacaaat agaattcatc 360
tagactagcc catcccatc cctgcgcttt tcatagaaac ccattatac atggtgagca 420
cgcttcatcc ccatacccaa aacgaaacca ataaattaca ctccacataa tttctttgcc 480
agggctcggg ttacccccca aacccatatt tattccctta acttcccaaa ggttttcaaa 540
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cgggttccgc cataaacgaa atcccttagt tgaaaaaact ccaaatggaa aaacaaatcc 660
cctggcttaa tgaatggccc aaaaaaatt tccaaaacac ttttagaacc cccaccacc 720
aatcaaate aaatgacacc ccgatgggca aaacacctta taattccac cccatctttt 780
ggccgaactc tttaaacaac cacagtttta aacaatcaaa ttcttcccc acaaaatata 840
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<210> 15934

<211> 728

<212> DNA

<213> *Aspergillus nidulans*

<400> 15934

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ggggaggggt ataatgtta caaggacacc gaacgtgggt atttgaaaac aaaccagcca 180
ttatttcaac aggggttggt ggtggaccat ttgaagcaaa ggggaacatc ccagaagact 240
tcgatatact tcatgaagat ttatggctcg gacaagattc ctatgaaaaa gcacataaaa 300
ttttattcga agaggcttgt agtcgcgcta ctgaaaaagc agaacttcgg aaagatgata 360
ttcagttcgt actcgcagga gatttaatta atcaaattac ccctacaagc tttgcttggc 420

gcacactggg cactccttat ctiggattat tccgggcttg gtctacctct atgggaggtt 480
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aaggcataaa acaggtgtga aaaacagttc ccgtccctac caatacggga caaaaccgct 600
tctgacaggg gccgtaaccc ggggggcccg ttattagcga actggcaacg ccaaagaact 660
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tgaacctt 728

<210> 15935
<211> 564
<212> DNA
<213> *Aspergillus nidulans*

<223> unsure at all n locations
<400> 15935

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ctgccggtct acaggcggca acgaaagcca tacgatgcga ctactgtatg gagtccaggg 180
ctatcataac catgatggcc gataggccaa tcagtacgca aaggactcta ttactgtatt 240
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cgtatgaaga tcgattatta gttcatgtga cttgcatatc gaatgagcaa tctaccgatc 360
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acgcagaagt ctctaatcgc agctcctgca agactattat aaagactaca tncctcgttg 480
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ctgaatggta tcagtacata taca 564

<210> 15936
<211> 1039
<212> DNA
<213> *Aspergillus nidulans*

<400> 15936

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ggcctcgtgc gcggaaatcg cgcttcagct cgcttttttg gcttctgcgc gatttgcttg 180

acgttcccgg ctggggtgac gccgccaag tgcttgcgta cggcgtacta ggggtgatat 240
 gggccaaagt ctggggcggc gagaaccggg ggggatggat ggtcattgca tccatctatt 300
 aatcgtgttt ctcggcgctt cgetgatttg cctccaagct actctttttg ctcttttttg 360
 atatactaatt ttttcaactct ctttaatttac ccattcattt tcgtatctac ctatcttctg 420
 catacctttt ttttcatct agtgtaacttc ctactaccga cctatctttc cctttattat 480
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<210> 15937
 <211> 621
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 15937

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 gcatgaataa aggggacgga cctgtcctt gtagcgcgta cccttgatca tgaacaaata 180
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 gagtatgtta acctgggaga acatatgctg ctctttcagg ggggggagcc cggctctgaat 300
 aaagcgcaaa gctcatacta ccctagttga aagacgctga atcaaccggc gccagtggtc 360
 agactgacgc tgcctatgtg atcgtctgg aagacctgga cgagacatgc gctatgtcac 420
 cgcatgatga acttgacaac atactactga ctgtcgatgg acatattaag agcgatgatt 480

atcgtctctg ggaggagtac atgttgtagg ggactactac acgcagcttg tgcggctcta 540
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<210> 15938
 <211> 558
 <212> DNA
 <213> Aspergillus nidulans

<400> 15938
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 ccaggcaggg accatttctg caacaaagta cattatcaca taatgagcac tcatgagcag 180
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 ccgaaccagt ctataccctc ttactctact attatatcca tgcccacaca caagacacga 300
 ttgctataac aattttggca caaaaacatg ccaggacatt gtcaccaact caatttacac 360
 aggagaatgc gcattgaggt cccgatgggtg gatacacatg ggcatcctga actgaacatg 420
 tcatgttcag agcctacacc ctctaataa ttgcatgata cggcgccaga cataccaagg 480
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<210> 15939
 <211> 793
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 15939

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 ataataatat aagaagaaat atttccagaa attccagaga gaaaaaatag aataaaaaaa 180
 gaaaagtgtc cgagttgctt ttcgatagaa gaaccaagag caaacaaaaa aatactatta 240
 gaaagaaaat gttgtaagtc tacgtgtacg agaagagaag ttatgacacg ccaccattct 300

ccttttagcga tatattcatt agaggctgcc agtggtgaaga gaaaaaagtc gcctaatatc 360
 atcatgacta aatgaataag aagtaaggta agaatagtcg gttgtaaaga aatatgagtg 420
 gatcttatta gcatacgggt actttcaccc cttttgcac agaaagattc tttggtattt 480
 ctatcaatat gaaagaagaa agttaaatag aagatgggga tttcgaaatg attatagga 540
 ttggtatcgg tattattgaa ttaaactggt ttgaaaaatg ctagatggaa agcttaaatt 600
 atggaacggt ttttaaccgaa aatgaacgta ttgtgctagg agctgaagga gtcccctacg 660
 agtttgagct gaagtttgca caaagagctt tcaaagtggg ggctggattg aaaaaggggt 720
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 gatgcgtgta gtg 793

<210> 15940
 <211> 905
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 15940

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 caaaaacaga gaaaagattt tttttacaaa aagaagaaaa acaaaacccg caaaaagga 240
 agataaaaca aaaaaagaca aaccaaacaa aaaaacaaag aaaaaaaca taagagaaag 300
 aaaaaaaaa taaaaacaaa ccgcaaagaa gacaccacac caaaaaaaaa acaaaaaaac 360
 attgaacaac caaaaaaac aagagaccaa accctaaaca aaataaaaa aaacaaaacc 420
 aagacaaaaa aagcacaaaa aaaaaaagac acaaaaaaca caataataa gtataacaac 480
 aataaaaaaa agagaactac agaacgaata agcaccata aacaaaaaga acagaagaaa 540
 acacataaaa taaaaacaat actaaacaag aaaaaaagat atgaggaaaa aaacataaaa 600
 aaagagtaaa aaaaaagaga aaataataa aacagagaaa aaaataagag aataaagaga 660
 ccaaaaaaaaa aaaagcaaaa aaaaaaaaac aaacaaaaat acacaaaaaa acgagaaagg 720
 aaaaaaaca gaacaaaaca aaaaacaaa atctacacta agaaaaataa cagagaagat 780
 aacaaacgaa acgaaaaaag agaaaataa acaccataac aaagtaaaaa caacaaaaaa 840

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<210> 15941
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 <212> DNA
 <213> Aspergillus nidulans
 <400> 15941

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 tgc 183

<210> 15942
 <211> 440
 <212> DNA
 <213> Aspergillus nidulans
 <400> 15942

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 atgttgacct gcgggtgacc tacagttata taccagatga caacaggcta caatcagctc 180
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<210> 15943
 <211> 702
 <212> DNA
 <213> Aspergillus nidulans
 <400> 15943

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<210> 15944
<211> 3064
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 15944

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<213> *Aspergillus nidulans*

<400> 15946

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<213> *Aspergillus nidulans*

<400> 15947

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 <213> *Aspergillus nidulans*

<400> 15948

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<212> DNA
<213> *Aspergillus nidulans*

<400> 15951

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<213> Aspergillus nidulans

<400> 15952

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 <213> Aspergillus nidulans

<400> 15968

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<400> 15971

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<400> 15981

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<400> 15982

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<400> 15985

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<400> 15986

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<400> 16001

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16002

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<210> 16003

<211> 888

<212> DNA

<213> *Aspergillus nidulans*

<400> 16003

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<212> DNA
<213> Aspergillus nidulans

<400> 16004

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<212> DNA
<213> Aspergillus nidulans

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 <213> Aspergillus nidulans
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<210> 16007
 <211> 982
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
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 <213> *Aspergillus nidulans*

<400> 16008

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<210> 16009
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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 16014
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<212> DNA
<213> *Aspergillus nidulans*

<400> 16014

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<212> DNA
<213> *Aspergillus nidulans*

<223> unsure at all n locations
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16016

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<400> 16017

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 <212> DNA
 <213> *Aspergillus nidulans*

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 <213> *Aspergillus nidulans*

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333

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<212> DNA
<213> Aspergillus nidulans

<400> 16020

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<210> 16021
<211> 1910
<212> DNA
<213> Aspergillus nidulans

<400> 16021

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<210> 16022
 <211> 623

<212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
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<210> 16023
 <211> 603
 <212> DNA
 <213> Aspergillus nidulans
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<210> 16024
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 <213> *Aspergillus nidulans*

<400> 16024

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 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
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<213> *Aspergillus nidulans*

<400> 16026

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<400> 16028

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<400> 16032

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<400> 16037

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<213> *Aspergillus nidulans*

<223> unsure at all n locations
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<212> DNA
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<400> 16081

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<400> 16083

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<211> 845
<212> DNA
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<400> 16085

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<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
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<400> 16087

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 <223> unsure at all n locations
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<400> 16089

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<400> 16090

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 <213> *Aspergillus nidulans*
 <400> 16096

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<212> DNA
<213> *Aspergillus nidulans*

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<213> *Aspergillus nidulans*

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<210> 16099
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16099

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<210> 16100
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16100

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<211> 528
<212> DNA
<213> Aspergillus nidulans

<400> 16101

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<211> 619
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 16102

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 <212> DNA
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<400> 16103

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 <211> 3125
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16104

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<400> 16110

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 <213> *Aspergillus nidulans*

<400> 16112

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<400> 16124

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<210> 16125

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<212> DNA

<213> *Aspergillus nidulans*

<400> 16125

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<213> Aspergillus nidulans

<223> unsure at all n locations
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<400> 16128

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<213> *Aspergillus nidulans*
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<213> Aspergillus nidulans

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16151

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<400> 16154

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<400> 16155

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<400> 16167

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 <213> Aspergillus nidulans

 <400> 16169

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<400> 16173

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 <213> *Aspergillus nidulans*

<400> 16176

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 <213> *Aspergillus nidulans*

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16177

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 <212> DNA
 <213> Aspergillus nidulans

<400> 16178

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 <213> Aspergillus nidulans

<400> 16179

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 <211> 420
 <212> DNA
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 <212> DNA
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16183

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16184

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<400> 16185

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<400> 16186

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<212> DNA
<213> Aspergillus nidulans

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<212> DNA
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 <213> Aspergillus nidulans

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 <213> *Aspergillus nidulans*
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 <211> 1772
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 16191

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16192

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 <213> *Aspergillus nidulans*

<400> 16193

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 <400> 16194

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<213> *Aspergillus nidulans*
<400> 16195

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<400> 16196

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<210> 16197
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16197

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<400> 16198

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 <213> Aspergillus nidulans

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 <213> *Aspergillus nidulans*

<400> 16200

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 <211> 1508
 <212> DNA
 <213> Aspergillus nidulans

 <400> 16201

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 <211> 1126

<212> DNA
<213> *Aspergillus nidulans*

<400> 16202

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<210> 16203
<211> 470
<212> DNA
<213> *Aspergillus nidulans*

<400> 16203

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<210> 16204
<211> 435
<212> DNA
<213> *Aspergillus nidulans*

<400> 16204

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agaaccaaac catgc 435

<210> 16205
<211> 408
<212> DNA
<213> *Aspergillus nidulans*

<400> 16205

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<210> 16206
<211> 495
<212> DNA
<213> Aspergillus nidulans

<400> 16206

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gacagatgag gacga 495

<210> 16207
<211> 285
<212> DNA
<213> Aspergillus nidulans

<400> 16207

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tctcgcaagc ctctttcgat gatcaaactc tcgcaagaat gggttttgac tagcaatcag 240
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<210> 16208
<211> 409
<212> DNA
<213> Aspergillus nidulans

<400> 16208

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tacattgctg gtctgggtgt tgggaggaga cgagacgtta gcggcaaaat ggctgaggag 180

ggccgaggcg gtatcgatag ccctaactcc aaaagcacga gcggaacgg aaacgccaac 240

tccacgccta gggccgctgg atgggcgaga tttgctgggt tgtgatttga taagatctat 300

actcagactg cactttcggc ccaatatgat tgagtgagga aagcaagcag agaatatcat 360

tgcattgaac atggagatgg aattggaatt atttactgaa atgaaatga 409

<210> 16209

<211> 1026

<212> DNA

<213> *Aspergillus nidulans*

<400> 16209

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 ctaaaa 1026

<210> 16210
 <211> 516
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 16210

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<210> 16211
 <211> 567
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 16211

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<210> 16212
 <211> 206
 <212> DNA
 <213> Aspergillus nidulans

<400> 16212

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<210> 16213
 <211> 743
 <212> DNA
 <213> Aspergillus nidulans

<400> 16213

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743

<210> 16214
<211> 200
<212> DNA
<213> Aspergillus nidulans

<400> 16214

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<210> 16215
<211> 200
<212> DNA
<213> Aspergillus nidulans

<400> 16215

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<210> 16216
<211> 200
<212> DNA
<213> Aspergillus nidulans

<400> 16216

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<210> 16217
<211> 200

<212> DNA
 <213> Aspergillus nidulans
 <400> 16217
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<210> 16218
 <211> 200
 <212> DNA
 <213> Aspergillus nidulans
 <400> 16218
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 accgggtgcc accgagcagc tggataccaa cattgggtgcg tcttggtcgt atgacccctc 180
 gtcccgtgaa aaagtatcgt 200

<210> 16219
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 <212> DNA
 <213> Aspergillus nidulans
 <400> 16219
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<210> 16220
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 <213> Aspergillus nidulans
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agaaacccat ccaacgccgc gcaggttggc taaccgtag atgagccgta agatcgaaat 120
 caaagagagt cattaattgc cgccgaggag acggaggacc aggtggagag tactctcctt 180
 ctggatatta taatccgaga gcgtacgtcc 210

<210> 16221
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16221

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 agaaacccat ccaacgccgc gcaggttggc taaccgtag atgagccgta agatcgaaat 120
 caaagagagt cattaattgc cgccgaggag acggaggacc aggtggagag tactctcctt 180
 ctggatatta taatccgaga gcgtacgtcc 210

<210> 16222
 <211> 212
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16222

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 accgatggcc ccggccgacc ttactctggt ataggccaag ggacgtggga gcaggggtgtt 120
 tatgattaca aggcgctgcc cagaccgggt gccaccgagc agctggatac caacattggt 180
 gcgtcctggt cgtatgatcc ttctcccgt ga 212

<210> 16223
 <211> 212
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16223

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 gcgtcctggt cgtatgatcc ttctcccgt ga 212

<210> 16224
 <211> 231
 <212> DNA
 <213> Aspergillus nidulans

<400> 16224

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 gcgtactcgg ggcggtatgta agatgtttcc aaaacagaac tgaatcgaac gagcaaggaa 180
 gggacatcct tgctgtattc cttaggcagc gctttccacg gttgtactcg c 231

<210> 16225
 <211> 234
 <212> DNA
 <213> Aspergillus nidulans

<400> 16225

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 tcttagttgc acgagccagc cctactccgc acccatctgt ccagcttcga tttaccagct 120
 cagctagggg cgcccaagtc accaacttag aatatcgga attatggatt atgcagcaat 180
 cgatagattt cggctctgta cgtcaggccc ggcttgagtc gggaagcagt gtct 234

<210> 16226
 <211> 235
 <212> DNA
 <213> Aspergillus nidulans

<400> 16226

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 atagacctac agcttcgtgc tgccttcttg tcatgatatt tcatgcaagt cactgtaatt 180
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<210> 16227
 <211> 263
 <212> DNA
 <213> Aspergillus nidulans

<400> 16227

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atccctcaca agaccgcccc cggtgctgct gctcttgaga ggctcaagggt cttcaaggggt 120

gtccctcccc cttacgacaa gaagaagcgt gtcgtcgttc ctcaggctct tcgcgtcctc 180

cgtcttcgcc ccggccgcaa gtactgcacc gttggcagac tcagccacga ggttgactgc 240

aagtaccagg acgttggtgc cag 263

<210> 16228

<211> 314

<212> DNA

<213> *Aspergillus nidulans*

<400> 16228

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caatggttgg attactcgaa acaaaagaca cccctttgta gtatatgtaa gagcgttggc 120

acgggaccag tcaggtgact caggcgcggt gttttttacc ctcttcagga ggttcgcagg 180

cgcaacctgt tgctaattgg gggttatagt ggagtttatc tcttgagggc ttgaacttgg 240

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tctgtttctt tata 314

<210> 16229

<211> 362

<212> DNA

<213> *Aspergillus nidulans*

<400> 16229

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aagcggaagc cggacgctaa caggcgatcc tgagagaaag aagcggattg agaatgcctt 120

ccggagcttc cgtgcggaca cgctgcgaaa ggaagccgat gagctagaga agggcaagtc 180

agtcacagac gagatgttct gaggtgtaaa tcggagtgtt gaaagcagtc ttgactttct 240

gaccgattga ggaaattgat ttatgttttag cccaatatt ggtgacggct ctgtacgatt 300

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ga 362

<210> 16230
 <211> 388
 <212> DNA
 <213> Aspergillus nidulans

<400> 16230

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ataccagaat agacatgctc agcggcccta tcgtcgccat ggtctgggag ggtaaggacg 180
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ccatccgtgg tgacttcgct atcgacgtcg gccgcaacgt ctgccacggc tccgacagtg 300
tcgagagcgc caagaaggag atcgggtctct ggttcacccc cgaggagatc cagaactaca 360
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<210> 16231
 <211> 414
 <212> DNA
 <213> Aspergillus nidulans

<400> 16231

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<210> 16232
 <211> 428
 <212> DNA
 <213> Aspergillus nidulans

<400> 16232

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 tgactgcagt cgaagtcaac agtttcttga aaaagcaagg tttagaagaa gagttcccat 180
 tgtttactgc agtctaccgt aagcaccgcc cccttaaacy cacactctat attcatatcc 240
 attaaactga caatctggca ggagttcttc aaggcaccat gtctgtggac gagattcctt 300
 ctttcattga gcggaatta cgacctaata tgtctccctt ctattgacgc cggttattaa 360
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 gatgggca 428

<210> 16233
 <211> 451
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16233
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 gtaagccgaa gtgggctgga atggatgaac agagcgaggc gcttgatgac tatggaaagc 360
 cgaaaaataa ggatgataat tcgcggtattt aaccgtctgc gtagtggcta tgtatgaata 420
 tcaattgaat gtagttcaag aaggaattgt c 451

<210> 16234
 <211> 475
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16234
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 ggagcaaaag cgaagcaatc atatacactc ggagcagaag cggagaaatc ttatcaaaca 180
 aggatttgat gatctgtgca cgcttggtcc tgggttaaga ggtggcgggt tcagcaagag 240

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gaggttaciaa ctatgacaaac ttccggatct gattaccatg gacaactcga tgatgcggcc 360
acgaacatga taatcgataa tgatgatgat tctctacat ttcttactt ttcttactg 420
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<210> 16235
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 16235

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aagaggagtt tcttgcattc gctcctacgc catctccacc ccaagaacac atgggtgctg 180
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caccgagctt tctcaagga gcccgctagt agctagtatg ttgagtggct tcttttagcgc 300
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ggatgctgac tggactggtc 500

<210> 16236
<211> 588
<212> DNA
<213> *Aspergillus nidulans*

<400> 16236

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tgcagaactt aaacagaaag taactgacgt cgctacggaa tactggatca atgaattcat 540
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<210> 16237
<211> 591
<212> DNA
<213> *Aspergillus nidulans*

<400> 16237

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tatgcttccc ctcaccttct ccgaccctgc cgactacgac cgcaccccc cgcacgccac 180
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<210> 16238
<211> 640
<212> DNA
<213> *Aspergillus nidulans*

<400> 16238

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aatcctcctg tttgcttgct tctttcatga ttctttaccg gaggtcttag caataataga 360
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 ctagcattga cagtaccaat gcgggtggtg accaccgccg gactagttac tcgtttaccg 480
 cggcgactct ggcgcacctt aacgacaggg ccggacctga tgaatgattc tcatatacta 540
 gtaaaactgat ggcttgacga gtctcgaac tctaaaatat ctaccttagt ttgttacgcc 600
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<210> 16239
 <211> 651
 <212> DNA
 <213> Aspergillus nidulans

<400> 16239

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 cacatgccgt ccgacaagcc gggtagaagt cttctcgtcc aaaccagaag cggccagcgt 540
 gttgagtatc acattgctaa cgtcagctct ttgaccccc tcggagtgtg gcggtggttg 600
 gatgacctta aacaacgagg ttgggcaatc gttcagatcg tggggagttt c 651

<210> 16240
 <211> 667
 <212> DNA
 <213> Aspergillus nidulans

<400> 16240

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 aatcccc 667

<210> 16241
 <211> 710
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16241
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<210> 16242
 <211> 743
 <212> DNA
 <213> Aspergillus nidulans

<400> 16242

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<210> 16243
 <211> 747
 <212> DNA
 <213> Aspergillus nidulans

<400> 16243

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gtttactgtt gcatcttcat gtgggtttgc gatgaatgtc attgtcagct aacgattgtg 480
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<210> 16244
 <211> 791
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16244

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 tcacctcgtc cttcgtcttc gtggtggtat gcagatcttt gtcaagacac ttactgggaa 720
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<210> 16245
 <211> 804
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16245

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<210> 16246

<211> 818

<212> DNA

<213> *Aspergillus nidulans*

<400> 16246

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<210> 16247
<211> 831
<212> DNA
<213> Aspergillus nidulans

<400> 16247

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<210> 16248
<211> 1103
<212> DNA
<213> Aspergillus nidulans

<400> 16248

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<210> 16249

<211> 1353

<212> DNA

<213> *Aspergillus nidulans*

<400> 16249

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tgtcaatatc agcatcagcg tcagtgtcat cttcatggtc tcgcgttcgc tctccatacg 180

ctgtctcccg cttcacctac aaaacaacaa caaaacaaca gacaccacaa gagaccaacc 240
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<210> 16250
 <211> 1382
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16250

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<210> 16251
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 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 16251

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 <211> 200
 <212> DNA
 <213> Aspergillus nidulans
 <400> 16252

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 ggtcagtggc ctacagagaga attggaggta tgattcagga tctattgaga agggcttagc 180
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<210> 16253
 <211> 200
 <212> DNA
 <213> Aspergillus nidulans

<400> 16253

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<210> 16254
 <211> 207
 <212> DNA
 <213> Aspergillus nidulans

<400> 16254

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<210> 16255
 <211> 219
 <212> DNA
 <213> Aspergillus nidulans

<400> 16255

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219

<210> 16256
<211> 230
<212> DNA
<213> Aspergillus nidulans

<400> 16256

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caaaaacggg gcgttttctg atctactaaa tttaattcta tacgagggtc cttctcaact 180
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<210> 16257
<211> 238
<212> DNA
<213> Aspergillus nidulans

<400> 16257

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cgtcgtcggc cgtcaaactt tggagatcgc gagagtcgct cgttgtggtg cggctttcgc 180
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<210> 16258
<211> 242
<212> DNA
<213> Aspergillus nidulans

<400> 16258

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cccagaccct gttcctttgt tgtttgtcat gctgttacga ctagaccga tttccctga 180
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cg 242

<210> 16259
 <211> 246
 <212> DNA
 <213> Aspergillus nidulans

<400> 16259

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 tccttgctcg ttcgattcag ttctgttttg gaaacatctt acatccgccc cgagtacgca 180
 tttgcaggtt gggactagct ttcacagagg atcgtaatag ctatgggaaa tagcaatgcc 240
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<210> 16260
 <211> 247
 <212> DNA
 <213> Aspergillus nidulans

<400> 16260

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 agggaca 247

<210> 16261
 <211> 256
 <212> DNA
 <213> Aspergillus nidulans

<400> 16261

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<210> 16262
 <211> 258
 <212> DNA
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<400> 16262

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<210> 16263
 <211> 261
 <212> DNA
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<400> 16263

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<210> 16264
 <211> 294
 <212> DNA
 <213> Aspergillus nidulans

<400> 16264

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<210> 16265
 <211> 295
 <212> DNA
 <213> Aspergillus nidulans

<400> 16265

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<210> 16266
 <211> 297
 <212> DNA
 <213> Aspergillus nidulans

<400> 16266

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<210> 16267
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16267

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<210> 16268
<211> 297
<212> DNA
<213> Aspergillus nidulans

<400> 16268

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<210> 16269
<211> 300
<212> DNA
<213> Aspergillus nidulans

<400> 16269

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<210> 16270
<211> 300
<212> DNA
<213> Aspergillus nidulans

<400> 16270

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acgtctctcg attataatat ccagaaggag agtactctcc acctggctct ccgtctccgc 120
ggcggcaatt aatgactctc ttgatttcg atcttacggc tcatctacgg gttagccaac 180
ctgcgcggcg ttggatgggt ttcttattct tcacgggttaa tctgggcaag ccttatacct 240
tctttgttgc ctcacatgtc accttgacgg tgttatgata gttctatcct ttatctactg 300

<210> 16271
 <211> 301
 <212> DNA
 <213> Aspergillus nidulans

<400> 16271

tcgtgacgac gagccggttt tccggtggcg aacaagttag agagccacac gcggtcacgt 60
 acgccatgac agtcacgctg ggctcgagaa gtaccgaagc gcgggctact ttgactcagg 120
 gaggttgctgg tatgttccta tttcatcggg tttgcgactt aatcatatgc taactgagtc 180
 taggagtttt gacatctcta gagagactgg cgaaaacatc ggctaataca ggtgttgtgt 240
 tgtagaccac ttagaacaca ttgtgattgc ctacaaatat cgataatagc atctttatgt 300
 a 301

<210> 16272
 <211> 316
 <212> DNA
 <213> Aspergillus nidulans

<400> 16272

cctttctcgt cattttgggc tggataatga atgtggagat gacactacat ttccatattt 60
 ttgaaacccg tggcattttt catctcgggg ctggttgctg ccttccttat ccaagacggc 120
 aagtcgaact atcttgaagg ctgcttgctg ctgggaatgt aagtactatt ctattattct 180
 aaagatttcg ctgactggta taggtacttg attttggcgc tggcgttcta cgtgtatcca 240
 gacaacgtga atgaggatgc gcttttccac gccttgaaat agtggcactt ctcgaaccct 300
 gctctttccg caggca 316

<210> 16273
 <211> 330
 <212> DNA
 <213> Aspergillus nidulans

<400> 16273

tagatccgaa ggagaagtca aaagttggag gttggttcgg cgcgaaatgcg gtgccgcagt 60
 tggaagacat gattcaactt aagacattag atccggcact gctgccggcc agggaggcga 120
 aggaggatga tagtaagcat agctcaagga gattagttat tggtgcggat gcgcacgggt 180
 gcaaggagga gtgtgcgtat accccagtct ctttaccat tattttggtg gcgctgacat 240

ctaggcaaac agtggaaaaa ctctcgaca aagtctcctt ccaggaagaa cgcgaccacc 300
 taatcttacc ggcgatctca ttgaaaaggg 330

<210> 16274
 <211> 332
 <212> DNA
 <213> Aspergillus nidulans

<400> 16274

cctcggcgct caggttgtca tgagagactg gagcgaattc cctgaatgcc tcaagaagat 60
 cgaaggcgag gatgcttccg tcgcttctct ttaagttgct ttccaagttt cggttctaca 120
 cgatgtcacg acagcggggc catttccttt cttcaatttc gggatattca tttcagtttt 180
 ctgaagatta ctctacaaac atgctccgc actttgcttt taccaaccgc gggagacggg 240
 cccgctctcc tttttggggc caagtcttag caggagagcat atctgcgctc ggccttttac 300
 atccagattc tttcgggtgg gtagacgaat ta 332

<210> 16275
 <211> 337
 <212> DNA
 <213> Aspergillus nidulans

<400> 16275

gccaaagtata atcatcgta ctaaggggtc tgctgagctg gttgtcgaga aagagacgaa 60
 attggaggcc catgaggggt cagtatggtt tgttggtgcc ggtgtaccgc tggatattct 120
 gtccaaggag ggggcggacg tgtatagggc ctatgcggag taacggccac aacactgcaa 180
 aggacggtta tgaggtgatt tgatggataa ttgcatgta cagactacag aatacgagag 240
 tacaagattg attgcaggat gtctacgtac atcggccgaa atactgtagc tcgatccatg 300
 tccaacagcg ctaaactgaa acaagctaata tatccca 337

<210> 16276
 <211> 338
 <212> DNA
 <213> Aspergillus nidulans

<400> 16276

cagcgcctc acgtcatcgt tctcgacgaa ccctccaatt acctcgaccg tgactccctt 60

ggcgcccttt ccaaggctct gaaggccttc gaggggtggtg tcattatcat cactcactct 120
gccgagttca ctcagaacct taccgaggaa gtctgggctg tcttgacgg aaagatgact 180
ccttccggtc acaactgggt tactggtcag ggaagcggtc ctcgtttgga ggagaaggag 240
ggcctgatg agattgtcga tgctatgggt aacaagatca aggttgagaa gaaggccaag 300
ttgagctctg gtgacaagcg aaaacagagg aaggagcg 338

<210> 16277
<211> 345
<212> DNA
<213> Aspergillus nidulans

<400> 16277

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catgcgttgt caccgatgcc tctgtgccgt acgagacggg tctcgcgaca atcaagaaga 120
ctgggaagac cgtgaatgcc ggagaagctg acggcgaggc caaggatggt tgaataatat 180
gattgcctag atataacagt gggatccgac agctatgata gattgggtga aactgtttaa 240
ttagcgatcg atatggtcat attcgtgaag ctatgacagg aggcatacac acgccacaca 300
caatcatagg gtatatgca cttgataaaa ggatgttttc ttgta 345

<210> 16278
<211> 350
<212> DNA
<213> Aspergillus nidulans

<400> 16278

tcgcggcgga gaagaagggtg acgagcaagt tgcttgagca agacacatct gcagagaagc 60
tttacacatt gaacgagtac gtattgtctt tgggttttag gatttgaggc gttcatcatc 120
ggctgatttg cttgcagtaa catgatttgt gctgtcgccg gtatgaccgc cgatgcgaac 180
atcctgatta attatgctcg acaagcagcc caacgctacc ttattaccta tggcgaagaa 240
attccttgcg agcaactcgt ccgcagactc tgcgacttga agcaggggta caccagcac 300
ggtggtctcc gtccgttcgg tgtttcgttt atctacgccg gctacgatca 350

<210> 16279
<211> 357

<212> DNA
<213> Aspergillus nidulans

<400> 16279

gcccattggcc cctctacctt ttacaaaagt gagctcccca tcaagtcgca gttggagatc 60
aatgtcagta tccgctctag tgcaagaagt ggctaacaca gctacagtga agatgggtgc 120
gctgatggga tcaagtaagt agctctttct cctggcttgg tcgacgaaat cgctaataac 180
tttacttgca gctgttggcg gtatcatggg attcatcatc ggtagtcct ttgatataac 240
ggccttagcg gagtactcat cgggattgca ggaactgtca ccatctttca atatggtgct 300
ggacctaacg gcgttatgcg aacactcggc aaatacatgg ttggctctgg agcgaca 357

<210> 16280
<211> 372
<212> DNA
<213> Aspergillus nidulans

<400> 16280

tcgacctcaa cagccgcaca gagacaagat gaccaagcgc actaagagtg agtatagcca 60
cggaattttt gttgaccttt tgaacagaaa aattgaaaac agaagctgac ttgcttcgca 120
gaggtcggta tcaccggtta atatggtacc aggtatgctt tagccagaaa ccctcccacg 180
actccggatt gaatcgagca cgactttttc gttcacatca cggcgaaatt tggcgcttcg 240
ataatcaaac aacaagcgat tggacatttg attgactatg gttcgacaat agatacggtg 300
cctccctgcg taggcagggtg aagaattggg aaagtgtccc agcacgcccg ctacgtctgc 360
accttctgcg ga 372

<210> 16281
<211> 377
<212> DNA
<213> Aspergillus nidulans

<400> 16281

tgcgagcaaa tactgatacc aaatgctaca ggtaacggca ccaagacccc cgggtcccga 60
gcccagtctg cccttcgtgt ctcgcccgtt ccggtatgag aatcggctgt attgaggacg 120
tcacccctac tccttcgac tctactcgtc gcaaggggtg tcgcccgggt cgtcgtctgt 180
aggtatgtgc gagtctgcag cgcgcata tttgtcttgt attccggttg gcagagttat 240

ttacgccatg tggctggact ttatgggaca tggatttgct agctaggctt attacctgct 300
 gaatgtggat ggaataaacg cgaagaacgg caattttgcc tggctctcaa cttatcatgt 360
 ccaatatatg ataaaaa 377

<210> 16282
 <211> 380
 <212> DNA
 <213> Aspergillus nidulans

<400> 16282

aggaacataa aataattctt atccaccaac agcacatttg tctattcctc ttacacaga 60
 tcaaaccaca gaccaactac agggacaagc caacccaac actacacagt gttgccagca 120
 agccggcgct gcgggtacca catcaggaag cagtagcacc agcaacaccg gtcctgcat 180
 gacgaccagc tttgctcaga gcagctttcc cttcgctatg gatgcacagg gttagcggtt 240
 gagcaaagag gagggcgatc ggctctatga agaactgatg gaggacgagt atgcaaagag 300
 agaaggcggc gcttaggtca ctttactct gtctttacag ttgctttgat gattatgcta 360
 ggctgcttc acaaaggact 380

<210> 16283
 <211> 380
 <212> DNA
 <213> Aspergillus nidulans

<400> 16283

gctggccggc ggcttacata tgagatccac ttagtgatcg accgatccat accacctgca 60
 ctcaacctga gctcaccatg attgtctgcg aaaaatgcat tggcatggca cagacgaagc 120
 cgacatatca gtactcgtgg caagtgcctg gcggagggtg ggagcgggtg gagattgacg 180
 gatgctgggc gtatatgagg aaggagagac gtgtagttat tcccgggtta ttttcttaag 240
 gattttcggg gcaactgagt gtggctatct gaactatgtc tcaacgccat ggggtggttgt 300
 ggggggtctc tctgtaccct gaacaatgaa atcgtgcac cttgtatagtc tcatcaagcg 360
 gattgcaggt aacgatctct 380

<210> 16284
 <211> 382

<212> DNA
<213> Aspergillus nidulans

<400> 16284

ggtcacgatg accggccggt gtacaacgga atcgagcctg atagtgaatc ctatcctgga 60
ggaatgcagc gcaggccgtc ctatggaaag atcttctctt ctcgatggcc ccgaccagat 120
ggcttataag cgggccaacg ggcggatggt ctcaaagcct gccaccatgc gttaaaagaa 180
ttctgccggc gtttatttgt catagttctt ggcggttctt ggtataggga acggcggtact 240
ggcgaaaaga tcatgctttt gacaatcagt ttcttgccgc ctgaaataag gtccttttga 300
tttatactcc cacattaaag gtccaacggt ataccttgct cttactcttc gaaagttgta 360
tatgatcctg cctatacgtt cg 382

<210> 16285
<211> 389
<212> DNA
<213> Aspergillus nidulans

<400> 16285

atgctagcta gacggatata tagcgagatt gagaaacaac atgcaactgc cggtgctggg 60
taataatagt aaacagtaaa tgctccagac aggctaaata accctgaggg taatggagac 120
cagcaaaaagg gtatcaaagt gtccggagac tggggatatca tagaattttt ttgagaatgg 180
tttggtgttt caaatcagaa caggtagaag tgaccgcccg gtgagctgga caggtcggtt 240
tgaaaagaag cgaagcgacg gattaaaggc gtagaatgtg atgtcgaata gaagatgaaa 300
gtgagagatg gtgatctgac agaggaaaac gaatgagtga gaatgaagga aatcagagaa 360
cttttggtgg tcgtaaatcg tcgtgatca 389

<210> 16286
<211> 390
<212> DNA
<213> Aspergillus nidulans

<400> 16286

ggtcaggacg gtgcagaaca ggaatgtacg atctgcatgg aagagtacga agtcgggcag 60
tcgctggtcc gcctagagtg tctctgtaag ttccataaga ggtgtattgt ggagtgggtt 120
gaacggaaga gagagtgcc gtacacaaaa catcctagca gcctctcgct gtccatgttt 180

gtgcttgtgc ggtgcatgca cgttgacttc accttgggtct tttggctaca tgatcccctt 240
 tacgtttcag caggcggtttt cttttgattg ctttgacaga gcctctccct tgacagtttc 300
 ttttctgctc tccaagttgg cgtttcagat gggcgtggca tattcggcat ttgattgcac 360
 tcagttaacg aagaattatc gcattagaca 390

<210> 16287
 <211> 393
 <212> DNA
 <213> Aspergillus nidulans

<400> 16287

gccggccttg acgatgagga cggctccatg aaactgcgcc gcatgatcta tatatttgac 60
 agcatgtcag ccgtcgaatt ggacagcgac ggcaagatct ttgacacaca gccgagccga 120
 atggttcgta ttgcccattg tagcggcact tcagtgcgcg aagttgagga tctcctgtca 180
 caacaccgca tgatggccgg gatggcgaag cgtgtcggcg gccagaagaa gcaaagtcaa 240
 cgagcacaga atatgctcaa ggggtggcaac aaggatcaac agcttgctgc tatgcagaag 300
 cggatggcct cgatgggtgg agctgggtggc atgggcggca tgcccgggaat gggcgatatg 360
 gcgaagatga tgcagatgct gcagggccaa ggc 393

<210> 16288
 <211> 395
 <212> DNA
 <213> Aspergillus nidulans

<400> 16288

cgctcaagta accggcgcaa ctgacttcaa tgttctccaa aacaatggct gtattgcgca 60
 ccaggttggt gatcatgtat gttgcacagc tccatcacca ctgtactgtc ctaatcgttt 120
 ccaaaaacct aatgaacgct tttgcaggct cacttccaca tggtagcttc agctactggt 180
 attcatttca ctgtactaaa ccttactttt acagatcccc aagcccaacg aggaggaagg 240
 ccttggaatt ggatggcctg ctcaggcaac agacatggac aagctcaagg agtactacga 300
 gtcgatcaag gctaagatgt gaagtggcag cctgctgatt cttgtacatg tgggcatgct 360
 tatcctgtag gtacttgagt ctatgtgccc gggag 395

<210> 16289
 <211> 395
 <212> DNA
 <213> Aspergillus nidulans

<400> 16289

cgctcaagta accggcgcaa ctgacttcaa tgttctccaa aacaatgggc gtattgcgca 60
 ccaggttggt gatcatgtat gttgcacagc tccatcacca ctgtactgtc ctaatcgttt 120
 ccaaaaacct aatgaacgct tttgcaggct cacttccaca tggtagcttc agctactggg 180
 attcatttca ctgtactaaa cttactttt acagatcccc aagcccaacg aggaggaagg 240
 ctttgaatt ggatggcctg ctgaggcaac agacatggac aagctcaagg agtactacga 300
 gtcgatcaag gctaagatgt gaagtggcag cctgcgcatt cttgtacatg tgggcatgcg 360
 tatcctgtag gtacttgagt ctatgtgccc gggag 395

<210> 16290
 <211> 397
 <212> DNA
 <213> Aspergillus nidulans

<400> 16290

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 caagcattcg agatttggat cttcccgcgc gcgcttggat tccacgggtg gtataacttg 120
 acattgagcg cttggctaata cgccggagtt gaactccggc tcaatcgtag attcgaacag 180
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 tcattttctg ggcgcgacct gcaagagtgt ctggatgctg agactgagct ccggaaaagg 300
 aatggcagga ttggcaatgg tgacagaagt aacccccgt ctcttcccag ctgtaagcct 360
 gatgtctgac aggtttgaca ggtggctcgc cgttggg 397

<210> 16291
 <211> 397
 <212> DNA
 <213> Aspergillus nidulans

<400> 16291

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tgttgcgacc catcatggaa caaacaatgg aacggccgat gatggacccg gacggaaatg 180
 ggacgatcaa ctcaaggag acctatatac acagctcgtc atcagcttgg cgtaggaat 240
 aactgcgttt ctatcttttt gtgtacgtgg aatcctttgc gtgaatacaa cctcgggtgcg 300
 caaaggacta agctaataat gattcgtgag gtagtttttg cggcccaaat ggacagagtt 360
 atacgaggct cgaaggcgac aacgtcgcgc cgcacta 397

<210> 16292
 <211> 412
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16292

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 ctttgacgtc tcaactgagc aagctcgctt tgttttctcg ttgttttccc gttgctttct 120
 tcctgtccct gaatttggat aaaagtatcg gagcgatgtc cgacctgtta ctttatccgc 180
 gtttgtttgt' ccccagcctg gacacgcaa tatggctgtc gaggtgttgg tattctcaca 240
 ccatttattt cttttcttca tctgttgca accttcagag ttttttatgt ttcctcatga 300
 cccaaacaat gtaccctcc ctttcgcct cgactgactg ttacccttgg cgacgattga 360
 tttatgtgtt ttattagtga tgtggccatg aactcgactc ggctgaaggc cg 412

<210> 16293
 <211> 417
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16293

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 cactctgatt tgacctctgg acttgcagcg cctgtgcagc cggctctagct cgactgatca 120
 acgcctccat ccactaccac aatacagata ctttttgggt ccagggggcga aatgcagagt 180
 tctcgtacgt tgcaagacaa cgaaccctca gtccacagcc ccagccgcag tgctaacaat 240
 cattcgcaga atagtcgaga tgaacgttgc cattattgtt gcgtgcgcga cctcctgcc 300
 cacattcttt acccaggtgc gctcactcgg cgggtcaatc tacgactcgg ccgtgtctct 360
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<210> 16294
 <211> 435
 <212> DNA
 <213> Aspergillus nidulans

<400> 16294

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 cgtcaatgga ttcactctcg agaactctct gggcgagttc atcctcacac accccaacat 180
 gaagttgccc ccagcccgcg cgatctactc cgtcaacgag ggtaacagca tgtactggga 240
 cgactggtgc aacgcctact ttgactctct taagcgctccc ggtgagggca agaagcccta 300
 cagcgcgcggt tatatcggtt ccatggttgc agacgcttac cgtactctgc tctacggtgg 360
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 gtgtgcgccc atggc 435

<210> 16295
 <211> 447
 <212> DNA
 <213> Aspergillus nidulans

<400> 16295

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 taaaacactc atagttcttc ttgcctttgt tgtctgcggt ggacttgtat ttgagttgct 120
 gaggatcggt ccacaattgt ggtccgcaat cgcgtctggt ttcaaccgac tgctggcgta 180
 gatgctcctt tctctcagac tggctctgcg aagcaacagc tggcttataa aattatttat 240
 gcatttgcac ctctatgcct tgttaggggt gaaataaatg ctactctccg aaagaccggc 300
 aaatatccag ccgtcactat gactgagccc tacgtgaaca gaggcgggtc ggacccttga 360
 acctctgaag ccagctgag tacaaggaag gcatcgatta aaaatggcat atcttgaaag 420
 taaactctgt gtatatttgt cttctca 447

<210> 16296
 <211> 448
 <212> DNA
 <213> Aspergillus nidulans

<400> 16296

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cgtgaccggc tcgctgtcct acagctccaa cgaactgacc atcgatgtcg acggtgctga 120
ggctgccaaag atcgagactg tcgggggtca gctttccaag ctctccaagc gcaccagggc 180
gtcctcctgc tcgggcactc gtgctaccgc gctccagaca gcccttcgga acgctgcttc 240
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caagagtgcac tcttctctta cacggaacgc cgtcgctgct cgcctccgcg ccgttgcatc 360
cgagtcctcc agtacctcta gcggatccac tacgtactat tgtactgatg tgtacgggta 420
ctgcagcagc aatgtccttg cttacacg 448

<210> 16297

<211> 448

<212> DNA

<213> *Aspergillus nidulans*

<400> 16297

ctctggcggc cccgtcacta tccgctctga gggcattgtc cccctgggtca ccgaaaagtc 60
cgtgaccggc tcgctgtcct acagctccaa cgaactgacc atcgatgtcg acggtgctga 120
ggctgccaaag atcgagactg tcgggggtca gctttccaag ctctccaagc gcaccagggc 180
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caagagtgcac tcttctctta cacggaacgc cgtcgctgct cgcctccgcg ccgttgcatc 360
cgagtcctcc agtacctcta gcggatccac tacgtactat tgtactgatg tgtacgggta 420
ctgcagcagc aatgtccttg cttacacg 448

<210> 16298

<211> 450

<212> DNA

<213> *Aspergillus nidulans*

<400> 16298

ccgccaacgc tcgcagaact ccctcaaccc ccagcggggc gaacagtcac ggtcagcaca 60
agtccagcgt tcccaccacg ctcgacgtgg acgaaacatg ggatgattgg gatagcacac 120

cgagccgac taaaaaatcg catactccct ctctgagccg ctccactatc gagtcgagggc 180
aggaccagtc gctgtgact caagcgagta gtccacgaac aagcaccagg taggttggct 240
gtagatttaa gctgtgagag tgaagtaatc attctctcga tgcttacctt ttcattgtgca 300
tttctaactt acaatcccag ctctggcgac tggcaccacg acatccccga cccagcgtc 360
tcagacggca ttccctggcc tgctctaaca caagccgcgc ctccaaact caaccgaaca 420
gcctcgaatc tcatggcaga atgggagcgc 450

<210> 16299
<211> 456
<212> DNA
<213> Aspergillus nidulans

<400> 16299

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ttggctacgt cggcagctac accactcagg agaagcagga agaaatggcc aagcgtctca 120
ctgacctcgg cgctcagggtt gtcattgagag actggagcga attccctgaa tgcctcaaga 180
agatcgaagg cgaggatgct tccgtcgctt ctctttaagt tgctttccaa gtttcgggtc 240
tacacgatgt cagcagcgc ggcgcatttc ctttcttcaa ttccgggtat ttcatttcag 300
ttttctgaag attactctac aaacatgctc ccgcactttg cttttaccaa ccgcgggaga 360
cgggtccgct etcctttttg cggccaagtc ttagcagga gcatactctgc gctcggcctt 420
ttacatccag attctttcgg gtgggtagac gaatta 456

<210> 16300
<211> 461
<212> DNA
<213> Aspergillus nidulans

<400> 16300

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cgtgatgccc ttttgcttgt ttccgccaac aagcaagatt tgcccgtag caccaccttg 120
acctggctga taaacattag atgctgattc gaattttcct agaacgccat gagccccgcc 180
gagatcccc agcagctcgg tcttcagagc ctactcgtc gccctgggt aagttgacct 240
gatcattctg gtttatcatc gatatttaac acatttctag tacatccaat ctacctgcgc 300

caccaccgga gacggtctgt acgaaggact tgaatggctt gccgagacgc tgcggaagac 360
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<210> 16301
 <211> 465
 <212> DNA
 <213> Aspergillus nidulans

<400> 16301

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<210> 16302
 <211> 477
 <212> DNA
 <213> Aspergillus nidulans

<400> 16302

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<210> 16303
 <211> 478
 <212> DNA
 <213> Aspergillus nidulans

<400> 16303

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 gtctcaatca cccctgcaag tccagcagac ccagagccgg ctctcatccc ttgcctcgct 180
 cctcccctac cgccgtccca gcacagcgtc ctcccagccg cagtcgcagt cacaaccacc 240
 ggcatcgccg ggagcgcaac aatgccagct ggctccgttc actcaatccc cgcctccgct 300
 ctcaacaacc cgcaccgaca ctccaacacc acgcccctcc tttgaagaaa ccctcgagct 360
 tcagaacgcg ctgaaccgcg agcagagcct ccgcaaggca gcagagacca acttacgcag 420
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<210> 16304
 <211> 484
 <212> DNA
 <213> Aspergillus nidulans

<400> 16304

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 tcgggttcgg acgaaggatt tgtccggggc ggctcctcgc tgattcgagt attttcttga 180
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 gaggtgcaaa ggagctggaa gagattgttg tgtagcataa gggcaatggt atgggcaatg 420
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<210> 16305
 <211> 500

<212> DNA
<213> Aspergillus nidulans

<400> 16305

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ttagtctgca tctttgcatt gcttttgcgc tttaccatt taatgtgtcc atgtgtgatg 420
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<210> 16306
<211> 524
<212> DNA
<213> Aspergillus nidulans

<400> 16306

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tcgaggtggt catccataaa gtagacgggc tgcagacga atttcgcaca gatacattcc 120
aagatatcgt ccagctcatt tctgatgagc tcagcgacgc cggttacgaa aacgctccgg 180
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tggacatttc cgagctctac tcctgggatc accctgaccg caagcccaaa ggccaacaaa 480
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<210> 16307
<211> 535
<212> DNA
<213> Aspergillus nidulans

<400> 16307

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ctcagtctgt ccggtcatct cctcttgccg gaaggtgaga actccccggg cgaagctatg 180
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ataccatcaa cgacgctacc aagctgtgag tgctatatcc ccaaggatcc gatcaaccgc 480
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<210> 16308

<211> 536

<212> DNA

<213> *Aspergillus nidulans*

<400> 16308

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cggttgtggt gtgacattca agtccgtgag gatttggttc ccgctgcgga cgaccgcaaa 180
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ttcttgactg atgaagaata tgatattctg gatgctagtg atcaggagtt tttggatgcc 480
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<210> 16309

<211> 544

<212> DNA

<213> *Aspergillus nidulans*

<400> 16309

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cttgtgccat ctcagaatgc attgtttgat taacttgcgc atcaagtgcc ggaataatca 180
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cgaagaatgg agcgaacga cacctgtatc tgccggacaa cggctacact gcacccggac 480
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aggt 544

<210> 16310
<211> 555
<212> DNA
<213> Aspergillus nidulans

<400> 16310

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cgatcccaat gatccagaat cgcagaggca gaatttcac ggaagcccgt ttggtggagg 180
tcatcaattc tttttccagc agggtagccc gcagtttaaa ttctcctctg ggcagtttaa 240
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cttttgccgc gtatcgcttc cagctctgcg aggggcttca gtggcatagc tgcaggcatt 480
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tcagtgagag ggacg 555

<210> 16311
<211> 557
<212> DNA
<213> Aspergillus nidulans

<400> 16311

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gcccgccatc ccttccttgg cttatTTTTT gggttctggg ctctcatctt gacactgggt 180
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<210> 16312

<211> 563

<212> DNA

<213> *Aspergillus nidulans*

<400> 16312

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ggaggtttgt gagtggcaaa ccgaggcagt tgttcggcc agtcacatac gaatccaatg 480
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tttatctagc atgctgttca tat 563

<210> 16313

<211> 576

<212> DNA
 <213> Aspergillus nidulans

<400> 16313

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ctgctcatgg agagctttac cttgacgatg gcctgtcgca ggtgcaggat aaagtctccg  180
agattgactt tagctatgtc gatggcgtct ttgagatgaa gggctcgttt gagtatgacc  240
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gagaggccat caagttgctt gctgcctact tagcctagtc aggcttgga gattgcgcac  480
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<210> 16314
 <211> 577
 <212> DNA
 <213> Aspergillus nidulans

<400> 16314

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aatcttcgag agcaatcgtg cttgggttgc ttcgaagaag ggcgctgacc cagagttctt  180
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cgaacgttgt tcctaccatc gatttgagct ccatgtccgt catcaactac gccgtcggcc  420
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cccttactcc tacagacctg ggcatactca acccgaggct gcgaaatatt cgcgacgtct  540
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<210> 16315
 <211> 584
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16315

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<210> 16316
 <211> 588
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16316

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gcttgaggat cttactcccg acgaacgcga ccaactcgtc cagcgagctt tccagcacga  180
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<210> 16317
 <211> 601
 <212> DNA
 <213> Aspergillus nidulans

<400> 16317

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<210> 16318
 <211> 615
 <212> DNA
 <213> Aspergillus nidulans

<400> 16318

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<210> 16319
<211> 615
<212> DNA
<213> *Aspergillus nidulans*

<400> 16319
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<210> 16320
<211> 631
<212> DNA
<213> *Aspergillus nidulans*

<400> 16320
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<210> 16321
<211> 633
<212> DNA
<213> *Aspergillus nidulans*

<400> 16321

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tcatacttgc agatacccc accatatcca tgtttgctag gtgctaagtg tgctcctttc 540
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attcaactca agacggaatg attctacctt aca 633

<210> 16322
<211> 636
<212> DNA
<213> *Aspergillus nidulans*

<400> 16322

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cactgcagaa caggtatttc aaagcttccg agaggctcgca gatggcaagg tatgtacttt 180
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 <213> *Aspergillus nidulans*

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<210> 16324
 <211> 647
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16324

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<210> 16325

<211> 661

<212> DNA

<213> *Aspergillus nidulans*

<400> 16325

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aaggctaagc agggatatgt tatctaccgt gtccgtgtgc gccgcggtgg ccgcaagagg 180
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<210> 16326
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16326

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caatgtaaga tacggcggat actcgttgct tgcgatgact gactggagta ataggtgttc  180
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<210> 16327
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 <213> Aspergillus nidulans

<400> 16327

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<210> 16328
 <211> 682
 <212> DNA
 <213> Aspergillus nidulans

<400> 16328

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<210> 16329
 <211> 694
 <212> DNA
 <213> Aspergillus nidulans

<400> 16329

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<210> 16330
 <211> 698
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 16330

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 <212> DNA
 <213> Aspergillus nidulans

<400> 16331

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<210> 16332
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16332

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<211> 739
<212> DNA
<213> Aspergillus nidulans

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<212> DNA
<213> Aspergillus nidulans

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<210> 16335

<211> 765

<212> DNA

<213> *Aspergillus nidulans*

<400> 16335

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<400> 16336

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<210> 16337
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16337

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 <212> DNA
 <213> *Aspergillus nidulans*

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<400> 16343

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<400> 16344

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<212> DNA
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<400> 16353

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 <213> *Aspergillus nidulans*

<400> 16365

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<210> 16367
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<213> *Aspergillus nidulans*
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<212> DNA
<213> *Aspergillus nidulans*

<400> 16368

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 <213> Aspergillus nidulans

<400> 16370

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<210> 16371
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 <213> Aspergillus nidulans

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 <213> Aspergillus nidulans

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<400> 16374

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<213> Aspergillus nidulans

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<210> 16380
 <211> 230
 <212> DNA
 <213> Aspergillus nidulans

<400> 16380

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 gcatagaagt ttgtgtttgt cccttaagag atatctgctc tagctagcca gttgatatta 180
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<210> 16381
 <211> 234
 <212> DNA
 <213> Aspergillus nidulans

<400> 16381

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 cggcgttggc ggatttcttc ttgatcatat gccttgacgg ctttaatcat ttcttttctc 180
 ccttctctcc tctttgatgt attatgattg tgatggatga tttttagcga ctgc 234

<210> 16382
 <211> 244
 <212> DNA
 <213> Aspergillus nidulans

<400> 16382

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 cttcaagttt ctgcatctgg ggtgagcctg gtttccagac cttggggatt ttttgctgga 180
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 cgca 244

<210> 16383
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16383

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 caaaatggcg cgagacgcct tatacaaggg cgaggctagc tacttgtacc attactgcac 180
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 ccat 244

<210> 16384
 <211> 244
 <212> DNA
 <213> Aspergillus nidulans

<400> 16384

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 ttactctttt tctttcatct ttatcttctt tatttctgtt tctttgcctc ccttcgctgt 180
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 ccaa 244

<210> 16385
 <211> 245
 <212> DNA
 <213> Aspergillus nidulans

<400> 16385

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 tgagcatgca agtatacagc ttaagaatat gtattatact tgccttacag ataatttata 180
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 tgctg 245

<210> 16386
 <211> 248
 <212> DNA
 <213> Aspergillus nidulans

<400> 16386

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 caatgatata ggctcttcca ctctctcgcc tcgtcctcca cataatcacc gaccaactcc 180
 gccgtttcat ttgatcccag cgcgtcaaca ttaaccggat tagtattaga tgtcatgtcg 240
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<210> 16387
 <211> 251
 <212> DNA
 <213> Aspergillus nidulans

<400> 16387

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 cttcaagttt ctgcatctgg ggtgagcctg gtttccagac cttggggatt ttttgctgga 180
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 cgcagaatga a 251

<210> 16388
 <211> 253
 <212> DNA
 <213> Aspergillus nidulans

<400> 16388

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 tccagcctat aactgtaatg atgcaaattt taatggctgc gacgaggcct gggcagtcac 180
 catcacagag agtcaaaata tccatatcgg cagcgcgggc acctactcct ggttttagtgc 240
 atatactcaa gac 253

<210> 16389
 <211> 256
 <212> DNA
 <213> Aspergillus nidulans

<400> 16389

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 ttcaaggttt acgcggaatc gctacagcca aagcacaaga gcaagcggcg caagttgagc 180
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 aaatgtcatc tatacc 256

<210> 16390
 <211> 266
 <212> DNA
 <213> Aspergillus nidulans

<400> 16390

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 tatgtcgata cgatgttgat ggatgtgggt ctggatatga gtatgggtaa taatgtgggt 180
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 atttagttat ctggcaacaa gcctca 266

<210> 16391
 <211> 270
 <212> DNA
 <213> Aspergillus nidulans

<400> 16391

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 agtttcttct ccaaacgacg ttgaacatgt ctggccgcag gacggaactt gattgtgcat 180
 gggatacggc gaatatggtc tcggcatggg gttatgtatt atggaaatct cggttttagcg 240
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<210> 16392
 <211> 287
 <212> DNA
 <213> Aspergillus nidulans

<400> 16392

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 cttgctgttc gcccgtagt caggaaccag ctgaggataa tcggccttga tcgctcgact 180
 ttacttccaa gctcgatccc aagtaacgtt ctgcagtaga aatcagttcg acgagagctt 240
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<210> 16393
 <211> 287
 <212> DNA
 <213> Aspergillus nidulans

<400> 16393

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 agcggctgat tctgttgagg gttcatgggt gggctctgtg ggcgctagcg acaattaaac 180
 tacgacgaaa aataccgggc tgtaatttat tcttttcatt attttgtact tgttttgcac 240
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<210> 16394
 <211> 290
 <212> DNA
 <213> Aspergillus nidulans

<400> 16394

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 tgatcatgta cagttgcac tatgaggcgg cttgacgggt cctgtcgtg ctcatgggtt 180
 aagatgcgca tggtattgtc gctgtatata ttagactctt cgcttggttt cccttggcgc 240
 tagaatttac gtgatagtca tcacctaata atcttaatat ctttttggtta 290

<210> 16395
 <211> 297
 <212> DNA
 <213> Aspergillus nidulans

<400> 16395

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 gcaccttatac ggttggagat gctctgaacc ctgctccacc gcttcctccg aatattaagg 120
 tgaatctggg gacaatgtct gagcaggagg cgaatggagg cattggcgag gtagatccgg 180
 aattcaagag gaggattgat gagcttgccg cgcgggaaga cttccaaagt gaagcgagcc 240
 agaacgagct gcggcggctt gttatggatg cgatccaagg atctaataatt gaaacgc 297

<210> 16396
 <211> 302
 <212> DNA
 <213> Aspergillus nidulans

<400> 16396

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 cctctgcgc gctgactgtc caatccgctg atgggtttat gtccctctcc agaagaacta 180
 aatctcgacc ctctttgagg tcacgatggt cacgatgaga ggggtcgatg cggctgcgga 240
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 ca 302

<210> 16397
 <211> 302
 <212> DNA
 <213> Aspergillus nidulans

<400> 16397

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 ctctctgcgt gcttcttgcc agtgccctgc cggccagtgc aactgcccg tatatactcc 120
 cctctgcgc gctgactgtc caatccgctg atgggtttat gtccctctcc agaagaacta 180
 aatctcgacc ctctttgagg tcacgatggt cacgatgaga ggggtcgatg cggctgcgga 240

ataagagacg atgacgaagt atgaatgggg tggatgatag tgccttgcca tgattttgtt 300
ca 302

<210> 16398
<211> 308
<212> DNA
<213> Aspergillus nidulans

<400> 16398

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cggttgctcc tgcggtgctt ctgcccagtg ccctgccggc cagtgcact gcccggtata 120
tactccccctc ctgcgcgctg actgtccaat ccgctgatgg gtttatgtcc ctctccagaa 180
gaactaaatc tcgaccctct ttgaggtcac gatggtcacg atgagagggg tcgatgcggc 240
tgcggaataa gagacgatga cgaagtatga atgggggtgga tgatagtgcc ttgcgatgat 300
tttgttca 308

<210> 16399
<211> 310
<212> DNA
<213> Aspergillus nidulans

<400> 16399

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caaatccaac aaacgagtcc cgacggcctc cagcctagaa ggaagcgaga cggagctctc 120
acattatctc cattacgagg ataacgcctg tttttttgcg ccgagttggc aggaccgtca 180
tgccggggcat gatcgagctc atactgcgcg gtcatagact attcggtatg tagaccatgc 240
agtgagttac agctggactg atattgaggg ctgccagtac cgtaaacaaa gcaaggatgc 300
agtgggtattg 310

<210> 16400
<211> 336
<212> DNA
<213> Aspergillus nidulans

<400> 16400

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 agcagggaca agagcagctc gaggatgagg agccagaata tgaggagtaa ttgtatttgt 240
 gtacactaaa taatatgtat tggctatttt gtaactagga atcaatattt gttatggaga 300
 aaataacaaa atatcatatt cctaattgtt gctctt 336

<210> 16401
 <211> 347
 <212> DNA
 <213> Aspergillus nidulans

<400> 16401

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 gcgtcgttca gaccccgtaa gagaccgaga tcggaaccgg gatcgaaaga gcagatatta 180
 cgatgatgac aggaatatgt catggtattc atcatcgact gcctccagca agcagcggaa 240
 tcgggacaga gacagggacc gagataatga tcgtgattcc cgtcgacgga agtagatgga 300
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<210> 16402
 <211> 351
 <212> DNA
 <213> Aspergillus nidulans

<400> 16402

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 ttctgattta gaatgatttc ctcaaggcta catagtagtt cacaaggctg gctgccgcgg 180
 taatggtttt ggggtactct aggtttgctc aagtagcacc agtgagccgc cgacgaaggt 240
 aagtcgacaa actcgagccc atcgtgggct tggccattca gtttcagtat aaatgaggtc 300
 acaaagcaag gtagtaagat taatttagtg tcctgaatgg ttgaagagcg t 351

<210> 16403
 <211> 359
 <212> DNA

<213> Aspergillus nidulans

<400> 16403

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aatcccgact agtcgcccac cacttccacg attttccttg aatcatgcat cgaatttccc 180
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aactgttatt gatctaggag agggcagctc ttagcatctc ctcggcgtgt ctcgatattg 300
gagtagtgta ttatcagcat tatggaagca tttgatatat tggttatttg aagcgagcc 359

<210> 16404

<211> 370

<212> DNA

<213> Aspergillus nidulans

<400> 16404

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<210> 16405

<211> 372

<212> DNA

<213> Aspergillus nidulans

<400> 16405

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ttgggtttgc ggtcattgtg cgcttttttt ttttttggca gggttcaccc gatgcgcccg 300
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 tgcgtcgatt cg 372

<210> 16406
 <211> 373
 <212> DNA
 <213> Aspergillus nidulans

<400> 16406
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<210> 16407
 <211> 375
 <212> DNA
 <213> Aspergillus nidulans

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<210> 16408
 <211> 379
 <212> DNA

<213> Aspergillus nidulans

<400> 16408

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gactccagat gaagctccga ggatagtga gcaaatgcgg ttttgagggg ttgcgggctt 360
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<210> 16409

<211> 387

<212> DNA

<213> Aspergillus nidulans

<400> 16409

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tctactttac gtttctcaga ttctga 387

<210> 16410

<211> 390

<212> DNA

<213> Aspergillus nidulans

<400> 16410

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tctatataaa agatccacct cttctttcca 390

<210> 16411
<211> 397
<212> DNA
<213> *Aspergillus nidulans*

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<210> 16412
<211> 400
<212> DNA
<213> *Aspergillus nidulans*

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<210> 16413

<211> 403
<212> DNA
<213> *Aspergillus nidulans*

<400> 16413

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<210> 16414
<211> 405
<212> DNA
<213> *Aspergillus nidulans*

<400> 16414

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<210> 16415
<211> 408
<212> DNA
<213> *Aspergillus nidulans*

<400> 16415

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<210> 16416
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<212> DNA
<213> *Aspergillus nidulans*

<400> 16416

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gctgctgggtg tttacgatga cttgggtccgc atgagctgcg gaattgaaga tggtgaggac 300
ctgacggctg atacaatgca ggcacttgag agggctgtgg ctgcaagcca ggcgctggag 360
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<210> 16417
<211> 410
<212> DNA
<213> *Aspergillus nidulans*

<400> 16417

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ctatcttgca tcatctcggt gtttgtgcct gccgcctctt gtggcatatt atacgtacac 360
tctgcttcta cggtagctac tacgactaaa atagatcttc tcttctctga 410

<210> 16418
 <211> 411
 <212> DNA
 <213> Aspergillus nidulans

<400> 16418

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gagctcctac atatacgagc tgagactgag tacggctgag agcactcaat gatcgatcct  180
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atcctgagcg cctaagctag ggcttcaacg gtgaatatgc atataatgag tgtctaatat  360
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<210> 16419
 <211> 423
 <212> DNA
 <213> Aspergillus nidulans

<400> 16419

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gagaagcttt ctttcgctgg cgataacatg gacagattgg aggagacaag tagcgggtgg  180
gcgcgggacg tcaacaaata cgtccagaac cagaagaaga aagcagttct tgggtggttaag  240
tgtcttgcca gctcgacta tccatactta atgccaacca tttcgctaata aaccgatagt  300
tcttgggtcg aagttcgggc tttaggcggc ttttctggtt ctgctcctcg caagatatca  360
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gcg                                           423

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<210> 16420
 <211> 429
 <212> DNA
 <213> Aspergillus nidulans

<400> 16420

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 tcattcggt 429

<210> 16421
 <211> 443
 <212> DNA
 <213> Aspergillus nidulans

<400> 16421
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 gggaggacga ggagtccg aaactgtta agccggatca tgtgaacttt gcggacgaga 180
 gcaagtctgg gttagtcctt ctttcctata tttcaaggca aaagtgtgct gatgagtttg 240
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 gggcagttga aaaattgagg acaggctcat ttcactacat tttgaccata aagaatgttt 360
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<210> 16422
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 <212> DNA
 <213> Aspergillus nidulans

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 aaaattaccc tgagccccg ctttcgatat catatccaaa ttctccacaa caaaagccat 180

aaaccgcaca gagagactgg ggtcattatc ttgaagcggc aaagtgatgg ggctgcgaag 240
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<210> 16423
<211> 452
<212> DNA
<213> Aspergillus nidulans
<400> 16423

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gagaatccgc ttacgcttaa ggaatcaagt gctactgaac gaagcaccct caaccacct 180
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<210> 16424
<211> 457
<212> DNA
<213> Aspergillus nidulans
<400> 16424

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agcgcgtcctt cgtaactgtc atagctttca tccgctt 457

<210> 16425
<211> 458
<212> DNA
<213> Aspergillus nidulans

<400> 16425

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cgcagagctc ggatacaact aggatatagc aactacaacg aagccacttg atgtccgggt 180
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gacacagaac cctgtcatgt cagttcgcgc gtgccagcgc gcttgatatat gcccgtagcg 420
tctatatact tacccaaaga tatgtataca tatgcagt 458

<210> 16426
<211> 467
<212> DNA
<213> Aspergillus nidulans

<400> 16426

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tccgatgcgc ggtatgggac cggcagagtg gttggacgct atgcgggctg cagtgcatgc 180
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ctatcttcag agtgatgcgc cacacgctgt ggataaggta gtgtttgggc gccgcaatgt 420
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<210> 16427

<211> 468
 <212> DNA
 <213> Aspergillus nidulans

<400> 16427

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catggcacca gatgatttca gaaatcttgg gcttgttttt gagaacgacg gcgatgggtc   180
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aggtcgatga ggtcgatgag gtcggtttaa actgtacatt acatgtatca tagggttgtt   420
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<210> 16428
 <211> 477
 <212> DNA
 <213> Aspergillus nidulans

<400> 16428

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attgtcgtca tctccattct cctcctcgaa ggcattggcc ggagcatgga tcttgatctc   180
gatctcttta agaggtttagc gccgatattc cctgccttgc tgctcgtaat catcgagctg   240
ccacccgctc aaaacccctt cttttggtta tccgcagaac tgactcactt ttccagtgcc   300
cttcccatct tacggaaact cggttccaat gccactttcc taaagacaat tcggtcgggc   360
gacacctcaa tgcttcgcgt ctgggttggt cttgaagctc gtggcttact tagggcgagc   420
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 <211> 478
 <212> DNA
 <213> Aspergillus nidulans

<400> 16429

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<210> 16430
<211> 478
<212> DNA
<213> *Aspergillus nidulans*

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<210> 16431
<211> 478
<212> DNA
<213> *Aspergillus nidulans*

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 aagcctgtgc tcattctttg gggtttgggt ttggttctag gttttggttt cggtttga 478

<210> 16432
 <211> 478
 <212> DNA
 <213> Aspergillus nidulans

<400> 16432

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<210> 16433
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16433

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<210> 16434
<211> 480
<212> DNA
<213> *Aspergillus nidulans*

<400> 16434

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<210> 16435
<211> 486
<212> DNA
<213> *Aspergillus nidulans*

<400> 16435

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<210> 16436
 <211> 493
 <212> DNA
 <213> Aspergillus nidulans

<400> 16436

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<210> 16437
 <211> 501
 <212> DNA
 <213> Aspergillus nidulans

<400> 16437

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<210> 16438

<211> 503
 <212> DNA
 <213> Aspergillus nidulans

<400> 16438

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<210> 16439
 <211> 508
 <212> DNA
 <213> Aspergillus nidulans

<400> 16439

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<210> 16440
 <211> 515
 <212> DNA

<213> Aspergillus nidulans

<400> 16440

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<210> 16441

<211> 520

<212> DNA

<213> Aspergillus nidulans

<400> 16441

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<210> 16442

<211> 528

<212> DNA

<213> Aspergillus nidulans

<400> 16442

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ctcacgacct cgagagtgcc gataccgcaa gcgacaacga cgccgacgac cggcatgcat 180

tgctggccgg attggaggat gatgatacat ttgaccgtga tgggtcgcta ggaagtgcg 240

aaagaacgtt acatagcccc gtgcagttta aggaagctct ggaccatctg aatgctgcta 300

aaagagatcc ggtgggttct ctggactctg catcaacgcc aacctccagt agcgcacgcg 360

aaaacgatga cagcactttg tctacagaaa tcaatgtgca accgaaagat atgtaatgat 420

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<210> 16443

<211> 539

<212> DNA

<213> *Aspergillus nidulans*

<400> 16443

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agtaccagct taacgatgcc ttgacgcagg gcaagatccc ccgcgagaa aaccttgtgc 120

tcatcgttcg ctacgaaggc ccaaagggag gaccaggtat gccagaacag ctcaaagcca 180

gtgcggcgct tatgggtgca aaactgacca acgtggcatt gattacggat ggtcgggtact 240

ctggggcctc gcatggcttt atcgttgggc atattgtgcc agaggcagca gtgggaggcc 300

ccattgccgt tgttcgtgac ggggactctg tcaactatcaa cgcgagagacc aacgaactca 360

gcatggatgt ttcggatgag gagattcaac ggcgggtgaa agaattggaag ccaccggctc 420

ctactgtgac gcgcgggtgtg cttgcgaagt atgcccggt ggtaggggat gcttcgcacg 480

gtgccatgac agatctgttt tgaagccaat caattctaca aactagcccc tgcgttttt 539

<210> 16444

<211> 545

<212> DNA

<213> *Aspergillus nidulans*

<400> 16444

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gctgtataat tgacgggtctc aggtgattgg gagctcttca cggcggcagt cgcatacagta 180
agcacacgag acatgttcat caaactactt gccagtgga taaacgagac gccaacgaac 240
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tttatcagga caaaagagcg gctaggcggt ccattcccag tatttgtgtt agatgtgata 480
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ttttt 545

<210> 16445
<211> 545
<212> DNA
<213> Aspergillus nidulans

<400> 16445
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gctgtataat tgacgggtctc aggtgattgg gagctcttca cggcggcagt cgcatacagta 180
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cgtccactta cggatctcta tgacactgta accggagagt aagtgtacct acctaaacct 300
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tttatcagga caaaagagcg gctaggcggt ccattcccag tatttgtgtt agatgtgata 480
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<210> 16446
<211> 551
<212> DNA
<213> Aspergillus nidulans

<400> 16446

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gaaccattg aaggtcttga agttggaata tagtaatgat cttcctgaat atccattaac 180

tgacccaaat ggatatggct atgttataaa cgtgccccct aatcagcgga gggaaactgt 240

cgaggacatg gtcaacagcg taagtacttg tcacgtggct gttgggtgct taccaagtga 300

ttactaacta cttgatagat tcaatattat acttgacaaa agtattgcaa tagaccttgc 360

agccagtcct tatttcttgg aatatcttac cttagcttat catattagtg ttctggagtc 420

aagatctgta agcatgcaag tatacagctt aagaatatat attatacttg ccttacagat 480

aatttataga ctactttaca agacattcaa cacagaatta gtgaaatcaa gaaagatgca 540

actaaagatg c 551

<210> 16447

<211> 561

<212> DNA

<213> *Aspergillus nidulans*

<400> 16447

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gccgctatcc agggaagcgg ctgggcctgg ctgggttcagg acaagcaaac tggcagcatc 180

gccatcaaga cctacgcggt aagttgatac tgggtttctc gtggtggcag agacgtagtt 240

acttatccaa gtcgcatttc agaaccagga ccccgttggt ggacagttca agcccctcct 300

tggtattgat gcttgggagc acgcctacta gtaagtgtct ttggtcccct cggttggtct 360

tctccgctaa cccgtacgca gcctgcaata ccagaaccgc aaggccgaat acttcaaggc 420

gatctgggag gtcacaaact ggaaggccgt tgagaagcgc tttgcgtaag ggttgagcgc 480

atgtcgtatt gaattgttgg atataacccc atgtaacctg tagttgtgac aatcctaaat 540

tatgatacgt acttgctttc c 561

<210> 16448

<211> 565

<212> DNA

<213> Aspergillus nidulans

<400> 16448

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gccgctatcc agggaagcgg ctgggcctgg ctgggttcagg acaagcaaac tggcagcatc 180
gccatcaaga cctacgcggg aagttgatac tgggtttctc gtggtggcag agacgtagtt 240
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gatctgggag gtcacaaact ggaaggccgt tgagaagcgc tttgcgtaag ggttgagcgc 480
atgtcgtatt gaattgttgg atataacccc atgtaacctg tagttgtgac aatcctaaat 540
tatgatacgt acttgctttc ctatg 565

<210> 16449

<211> 567

<212> DNA

<213> Aspergillus nidulans

<400> 16449

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ttaatcccag cgaggttgtt tttttttttt tttcggctgg cttaatacac gccgaacgcg 180
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cattacacat gtggctgcaa gggctggagg tctaggtaca acggttgact gcacaactag 480
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cgcgatttga gcctccaaac tacgcct 567

<210> 16450

<211> 583
 <212> DNA
 <213> Aspergillus nidulans

<400> 16450

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aatgaatact aatgagaatt tgtccagttc gaaacagccg tgggccagca ccgagtgcg 120
tctacttgg ggagtacaac gacaaactgg acacagattg aacggccatt caccgtcaag 180
ctgagttggt cttatttaat caagttatat agacgagacg accttgtatt ctccctggat 240
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tgtacctttt tctttaccgt atcatatggg caagcgcgtt gacggagctt actctcggac 480
ataatactgt ctttctttgt ggatctttct cttctttatt attgtgacac gagaaatgga 540
caggaggatt taataggtct aatcggtgag cgcatatgaa atg 583
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<210> 16451
 <211> 592
 <212> DNA
 <213> Aspergillus nidulans

<400> 16451

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gctgggctgc tgagtgcct gctcgggtgc ggctctgcc cggaaggcct cgggtgctttc 180
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tcggttatatt tcttcgggtt gcggtgcagg tgctaatac gactacagta cttatcggca 300
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gtaatcgctg gtttgctcat ggtatttaga gggagaaggt gaaggcagga tgtgcggttg 540
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<210> 16452
 <211> 592
 <212> DNA
 <213> Aspergillus nidulans

<400> 16452

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ggtgatcatc gtccctgctg gtaagacca cctgagttcc gcactactgg aaagtaggaa 180
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<210> 16453
 <211> 604
 <212> DNA
 <213> Aspergillus nidulans

<400> 16453

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tcaagaccac acgcccccaa gtcacccgcc gtacatacgc ctcagagcct gcgcgcgaac 180
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gtcggccaaa ttcaagggga cggtttcgcc gcagaggccg caaaactgag cacgtgctct 540

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 taaa 604

<210> 16454
 <211> 611
 <212> DNA
 <213> Aspergillus nidulans

<400> 16454

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<210> 16455
 <211> 615
 <212> DNA
 <213> Aspergillus nidulans

<400> 16455

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 aacggcgttg gtatgttttt cctccgatcc cgcgataaga ctagagcgag gctaacaggg 180
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<210> 16456
 <211> 633
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16456

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<210> 16457
 <211> 635
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16457

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aacgggcgct gcttgggaata tagcccgttc ggagaaagaa ccgggtttat atcatttggg 240
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<210> 16458
 <211> 646
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16458
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 ttggcttcgg acgcggatga cgataaacat aataattgac tttcttatcg ggttggtccc 600
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<210> 16459
 <211> 646
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16459

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<210> 16460
<211> 656
<212> DNA
<213> *Aspergillus nidulans*

<400> 16460

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catagccgtt gatatccaaa agccaagatt ggattttgca aaaaaattcg ccgcaacagc 180
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cgtaaaaacc ggaaaaggca ttaaaacgct tattgctggc cctggcgccg cataagcgct 600
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<210> 16461

<211> 658
 <212> DNA
 <213> Aspergillus nidulans

<400> 16461

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 tccaacatgc gcacctgact cccactcggc ggactccgt tctcccaatg gatttctggc 180
 tccgaaggct cgatgctcac aatctgcccc tgggaaggggt caccaaagac gtcagaaagg 240
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 tacaggccgt ctttgacggg ggtaatcttg atcgcgattc ctccggtctg cgggtcgcgg 360
 cgaaattcct caacatattc ctgcccggga ttgatcatgt actgtggact tatgtcttgg 420
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 ttgggtttca tgctgttggg ctccagtcacg acaatgttgg tgttgccat gttgttgagt 600
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<210> 16462
 <211> 665
 <212> DNA
 <213> Aspergillus nidulans

<400> 16462

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<210> 16463
<211> 665
<212> DNA
<213> Aspergillus nidulans

<400> 16463
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gcgta 665

<210> 16464
<211> 679
<212> DNA
<213> Aspergillus nidulans

<400> 16464
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cgttgctagg ctatgacgcc cgtttccctc aacagaacca gtacgttatc tcaccaaatt 300
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 tcccccaaac agctctcaaa tttatcaggc atgctctaac aggaatcata gttctacctc 480
 gctttccgtt ctctctgccc caaaccttgg actgatcggt gggatgaaca acgcggtacg 540
 ttccatttcc ccgtaaattc gctaagcaaa catatactga tagcaatcac agaggctggg 600
 aacttccctg cccgcctgga ccggtaaatt atataagata gcacctagaa ctcaagcggt 660
 gatttaacct tgaatggtt 679

<210> 16465
 <211> 681
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16465
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 ggcttgcatg tatacgaaca ctttccgctc ttcagggttg tcagtcctta cacagagttc 180
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 cccagcgca atccttccgt tcaatgtggc cttcattccc agtctcttct cactcctttt 480
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 tctggttcga tatgttcttt ttatgcgctc tcaattgtca agttgctctc atgccctacc 600
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 atatccaata tgaagatata t 681

<210> 16466
 <211> 696
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16466

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cgatggctgg tccagcgaat ctgaaagaga aactgcccga gaaggatggg aatcagcgat 180
tccgggagtt catgctggag gggaaagttt tcgcagtgcac tggaggggca cggggactgg 240
gcttgacgat ggcgaggagct ctgggtgaag ctggaggaga gggttcgttc ccagtcatat 300
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cctccactac cgccgcatgg acgtcactga cgacgctaac accgaagcta tcttgatga 480
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caaagatgca ttcgacctga cgctgagat ggctgataag ctcatccaca tcaactatac 600
cggcgtcttc aggagcgcg tagcagccgc gcgcgcaatg acggctcgaa aatgccccgg 660
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<210> 16467

<211> 727

<212> DNA

<213> *Aspergillus nidulans*

<400> 16467

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aaggattcga ctgatggact cccaatggct cgccctcgcg ggagaacatt gaagccacaa 540
gtgacgagga tgaggacgag gaatagtctt cctaagggtg agcggatatt atatctaggt 600

actgtgttct tgctgtgtgc tggccccggac actaatttct tggagggaca tgcttaagct 660
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tgaggca 727

<210> 16468
<211> 739
<212> DNA
<213> Aspergillus nidulans

<400> 16468

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<210> 16469
<211> 741
<212> DNA
<213> Aspergillus nidulans

<400> 16469

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<210> 16470
<211> 772
<212> DNA
<213> *Aspergillus nidulans*

<400> 16470
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<210> 16471
 <211> 777
 <212> DNA
 <213> Aspergillus nidulans

<400> 16471

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aggatagaat ttggtgactt cggaggacgg ttttcacgaa tagcagcggg aacagaacag  180
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<210> 16472
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16472

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agtctcccggtg tacattccc taaagatgag ccgcccacga accagaagaa caacgtcacg  180
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<210> 16473
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16473

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<210> 16474
 <211> 800
 <212> DNA
 <213> Aspergillus nidulans

<400> 16474

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<210> 16475

<211> 802

<212> DNA

<213> *Aspergillus nidulans*

<400> 16475

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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 16477
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 <213> *Aspergillus nidulans*

<400> 16477

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<210> 16478

<211> 822

<212> DNA

<213> *Aspergillus nidulans*

<400> 16478

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<212> DNA
<213> Aspergillus nidulans

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<210> 16480
<211> 847
<212> DNA
<213> Aspergillus nidulans

<400> 16480

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<210> 16481

<211> 854

<212> DNA

<213> *Aspergillus nidulans*

<400> 16481

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<210> 16482
<211> 857
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<213> *Aspergillus nidulans*

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gaatattggt tcttttc 857

<210> 16483
 <211> 857
 <212> DNA
 <213> Aspergillus nidulans

<400> 16483

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gaatattggt tcttttc 857
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<210> 16484
 <211> 857
 <212> DNA
 <213> Aspergillus nidulans

<400> 16484

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<210> 16485
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 <213> *Aspergillus nidulans*

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 gaacaccagc acggttacag aagactaact tacgcgctga aataactaga ttagagagca 180
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<213> Aspergillus nidulans

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<210> 16487
<211> 889
<212> DNA
<213> Aspergillus nidulans

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16489

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 <213> Aspergillus nidulans

<400> 16490

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<210> 16491
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16491

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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 16493
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<212> DNA
<213> *Aspergillus nidulans*

<400> 16493

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<210> 16494
<211> 957
<212> DNA

<213> Aspergillus nidulans

<400> 16494

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<210> 16495

<211> 959

<212> DNA

<213> Aspergillus nidulans

<400> 16495

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<210> 16496
 <211> 968
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 16496

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<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
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<210> 16498
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16498

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<210> 16499
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16499

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<210> 16500
 <211> 1025
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 16500

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<210> 16501
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<212> DNA
<213> *Aspergillus nidulans*

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<210> 16502
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 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 16502

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<210> 16503
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16503

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16504

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<210> 16505
 <211> 1098
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16505

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<210> 16506
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16506

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<210> 16507
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16507

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<212> DNA
<213> Aspergillus nidulans
<400> 16537

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tctgcactcc acatatgcat gactctgtta gactctgtta gattctgtta gagattcgaa 180
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<210> 16538
<211> 200
<212> DNA
<213> Aspergillus nidulans

<400> 16538
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caaggtgcga atacccccac tgtctcgact gtccgcaaac cggcctcgcg gtccctcca 180
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<210> 16539
<211> 201
<212> DNA
<213> Aspergillus nidulans

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gaaaataaga tgagatctgg gtttagctgt atcctctgaa gatcgattag atttgggtga 180
ctgcagaaag aagaagaata a 201

<210> 16540
<211> 205
<212> DNA
<213> Aspergillus nidulans

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aggtaaagcc gcacgagaag gagcaatgct tggtagttat gcggagaatc gacgatcaaa 180

cgctctagaa ttgcagcggc gcgga

205

<210> 16541
<211> 205
<212> DNA
<213> Aspergillus nidulans

<400> 16541

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ttacatcact ttgtttcaga tctggctcgc aggattatct actaggtggt gtattgacga 180
ctatgagatt acgatatatg tgaat 205

<210> 16542
<211> 206
<212> DNA
<213> Aspergillus nidulans

<400> 16542

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agtttgctca cgtttggttt ccggatgcat tcgaagctgg tggagttcgg gtggcttctc 180
aatcgaagta ttcttataat ctagat 206

<210> 16543
<211> 209
<212> DNA
<213> Aspergillus nidulans

<400> 16543

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agaattaagc acccagggag gcgtcagcgt agacgtactg tgtagccaag tcaccaatag 120
gcagtttgct gagaacgacc ttggcccctg atttgtagat agcctcgagc ttgttgtaga 180
tgatctgcca ctccgcatcg acgatggcc 209

<210> 16544
<211> 210
<212> DNA

<213> Aspergillus nidulans

<400> 16544

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<210> 16545

<211> 211

<212> DNA

<213> Aspergillus nidulans

<400> 16545

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gttgcatgga tgtcttgcta ggagaattgg ggattggatc taactatatg ccgctcgttc 180
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<210> 16546

<211> 213

<212> DNA

<213> Aspergillus nidulans

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<210> 16547

<211> 213

<212> DNA

<213> Aspergillus nidulans

<400> 16547

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 aaaatcttga agtgatgtga tatgacctct tat 213

<210> 16548
 <211> 213
 <212> DNA
 <213> Aspergillus nidulans
 <400> 16548

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 aaaagggtag acctgggcat ggcaggctgc aatggaacat ggggctgggt taagggtgaa 180
 ggggccagat aagcactctt gattcgagat ata 213

<210> 16549
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 <400> 16549

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 taggcttatt acctgctgaa tgtggatgga ataaacgcga agaacggcaa ttttgcttgg 180
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<210> 16550
 <211> 214
 <212> DNA
 <213> Aspergillus nidulans
 <400> 16550

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<210> 16551
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<400> 16551

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<400> 16552

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 gatgatagcg tccaatactc tataggaata acaacactct a 221

<210> 16555
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 <213> Aspergillus nidulans

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<210> 16556
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 <212> DNA
 <213> Aspergillus nidulans

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<210> 16557
 <211> 223
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 <213> Aspergillus nidulans

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gtcggctttg agctagacgc agttgtcaac tatggctgtc agcagacgct cgttataaat 180
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<210> 16558
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16558
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 ctctccaat aggtcggagc tgtcacggga actccagcgt tcgcgccggc gcctgatctg 180
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<210> 16559
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 <213> Aspergillus nidulans

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<210> 16560
 <211> 226
 <212> DNA
 <213> Aspergillus nidulans

<400> 16560
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 cgtgggtcaa tcggtactat agcccgaata gcacaggccg tgccgagtct tgcaacgaag 180
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<210> 16561

<211> 227
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 16561

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 cgctcttgag aactacacac agatcaagac ggtgcactac cgcttgggtg atgctctttt 180
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<210> 16562
 <211> 228
 <212> DNA
 <213> Aspergillus nidulans

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 aagaaaccca tccaacgccg cgcagggttg ctaaccgta gatgagccgt aagatcgaaa 180
 tcaaagagag tcattaattg ccgccgcgga gacggaggac caggtgga 228

<210> 16563
 <211> 229
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 <213> Aspergillus nidulans

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 gctgtgagaa tatatcttac caagggcttg tttgaatttt cttgtcttat tgggccacca 180
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<210> 16564
 <211> 229
 <212> DNA
 <213> Aspergillus nidulans

<400> 16564

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<210> 16565
<211> 230
<212> DNA
<213> Aspergillus nidulans

<400> 16565

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aagcggaggg ttgggatcgt tatgtctgaa tgatgaatgt tggcggatct gccagatttc 180
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<210> 16566
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<212> DNA
<213> Aspergillus nidulans

<400> 16566

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<210> 16567
<211> 233
<212> DNA
<213> Aspergillus nidulans

<400> 16567

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caattgagca gcataaccta gctgtatcaa cgagtgaccg ggaaaggaca gttatgatga 180

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<210> 16568
<211> 235
<212> DNA
<213> Aspergillus nidulans

<400> 16568

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<210> 16569
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<212> DNA
<213> Aspergillus nidulans

<400> 16569

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caattactgt acgacgttat gatgtccagc acgatggggg tttgtgttca gatttgggtgc 180
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<210> 16570
<211> 236
<212> DNA
<213> Aspergillus nidulans

<400> 16570

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ttgtcgggca tgcgattgca gcgtctattt atttgctac ttactggaat accttg 236

<210> 16571
<211> 236

<212> DNA
<213> Aspergillus nidulans

<400> 16571

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atgagttgag taattaacaa gaattttgta gttgcgcggt ctgggttcagc tgggtgggat 180
gcggaggtag tgaaagcagt ggacagtgtc ttaacagatg ggctgtgggt tataag 236

<210> 16572
<211> 238
<212> DNA
<213> Aspergillus nidulans

<400> 16572

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gcatttcac tcatgtacta tatgatgctt taatgcatga ataacttgct tcttactgta 180
ttagtaccat agttatgcat ccaatgcaga acacaagcaa tggatgttga acgaatga 238

<210> 16573
<211> 240
<212> DNA
<213> Aspergillus nidulans

<400> 16573

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tcgtgtcttt accatttttc tgacggacag cggcggatat gtgattttcg cgcggtaaaa 180
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<210> 16574
<211> 242
<212> DNA
<213> Aspergillus nidulans

<400> 16574

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tgtgtggaca agtttatgaa gggatctcag cgctcaacg agcgattcca ggaacagaat 120
 gccgccatga tgcagagcgg acagttgccc ggacggtaaa cgacttcgtc tttcggtttt 180
 cttgttggct ttatcggcaa tttccgtgta tactagcttc tcaatgatac tctcgctat 240
 gt 242

<210> 16575
 <211> 243
 <212> DNA
 <213> Aspergillus nidulans

<400> 16575

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 ccgcattgaa cgagatgaaa gaaattttgt aacctgcgct ggagggtgtt ttatcattga 120
 tttatggtat tgggttcggg acctggcatt atggattctc ctcttgtaa tgtgttctag 180
 aagcgtggat cgaattcaat ctctgctaga ttcaatttgg atcgagtaaa gaaacttgaa 240
 aga 243

<210> 16576
 <211> 244
 <212> DNA
 <213> Aspergillus nidulans

<400> 16576

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 tgatgctacg ttttgggcag agtgtggcat cgccgatgtg tactccgctg gtgcagcctt 120
 ggggtgtgctt tgcgagcaga cttaatagca tgcatttggc aggtcaagca tgctcttag 180
 cggaacagtc ttgagttccg tactcttacg attgtttgac gaaatcaaaa tcctcttctt 240
 gaag 244

<210> 16577
 <211> 248
 <212> DNA
 <213> Aspergillus nidulans

<400> 16577

tgactgtctg gtataggacg cggaagaggt tcacatacaa gcactcgaag aacaggtgat 60

cgggcttatt ttcgtggaag cgatcaatgg gtgaattgga tgggtgtctt atttggtttt 120
 ggctgggggtt ttcttacttt actagcgggt tgcaacattg tctgtcccgt ccgtgagcct 180
 tgaggaggga gtgtataact atctgcatat ctttatattg ggttttgtca atacatgcca 240
 catttcga 248

<210> 16578
 <211> 251
 <212> DNA
 <213> Aspergillus nidulans

<400> 16578
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 agcctttaac cgcttcacag cttctcgtct ccgggtatttt tgaaaaccga gtatcgcgcc 120
 tgcaacagca gctccggaca gctcgcagt tgcagcgagc tggacctggt gtgagttggt 180
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 tgcgcgggta t 251

<210> 16579
 <211> 253
 <212> DNA
 <213> Aspergillus nidulans

<400> 16579
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 aatgatgagt cgggtgttgtt ttatgcttat taactttcat taccggcttt tccctccatc 120
 tgctagcatt gcacggctag gctgagcctg tagcagctta ttggctatat tcgtgatgat 180
 aatgtcggta tgggtgtctag atgtgaattt ttatacgcag aataatcttc tgctgcattc 240
 tctgcctatg ccc 253

<210> 16580
 <211> 260
 <212> DNA
 <213> Aspergillus nidulans

<400> 16580
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atgcttggtc aatacctact ctggtgcctt ctgcttattt cgctggctcg caactcttct 120
gaggttctac ccaccatattg taacaacatc ccgcgtagac atggctacca tctccgaacg 180
catacccttt cccatctagg tccttcgaat atcggccgga cctgggtattt aggttgcaat 240
gaagttgcct gacgcgtgcg 260

<210> 16581
<211> 260
<212> DNA
<213> Aspergillus nidulans

<400> 16581
tcgtttgagc actccgacgg aaagcttgct accaaagcag ctatccaata ccctgctctt 60
gacattgagc atagctcagc agcttaatcg ctaaggctgt cgcttcgctg tcttcaggcc 120
aactttctcc gcaccttcga gctgggatca aatatggggtt gtaaatgcct aaatgcgttg 180
atgaccttaa atttctcatc ttactgctc aagatgttgt atgccattgt ggatagattg 240
atatgaccca ttcaaggaca 260

<210> 16582
<211> 268
<212> DNA
<213> Aspergillus nidulans

<400> 16582
agaaggata gctgaggtat atttacgaaa aatcaaagtg caagaaacag tctatgtggt 60
tcattcagta gataaaggat agaactatca taacaccgtc aaggtgacat gtgaggcaac 120
aaagaaggta taaggcttgc ccagattaac cgtgaagaat aagaaacca tccaacgccg 180
cgcaggttgg ctaaccgta gatgagccgt aagatcgaaa tcaaagagag tcattaattg 240
ccgccgcgga gacggaggac caggtgga 268

<210> 16583
<211> 269
<212> DNA
<213> Aspergillus nidulans

<400> 16583
actattttaa cttccaaggg tctcgccttg ttctcagtat ttacgattgg agactcctcc 60

gcgattcatc aagatgatct ccctccgctc cctccttggt ccccccgaccg ccgccctccg 120
ccagttcctt ccccgcacaca acagcaactt ccgagtcctt gcccggccat tttcacaatt 180
atcacaactc acaagtaaca attggttttt ttttgggtgg tcaaggtcta ttgtgccagg 240
tgctggtggt tctgccgtga ggcaggtgg 269

<210> 16584
<211> 270
<212> DNA
<213> Aspergillus nidulans

<400> 16584

gccgtgtgcc gaaaggaag ccggttaata ttccggcacc tggatgtgga ttctccacgg 60
taacgtaact gaacgcggag acgtcggcgg gggtcctggg aagagttctc ttttcttctt 120
gacggcctat caccctgaaa tcggtttgtc cggagctagg gttcaatggc cggcagagcc 180
ctgcaccttt gcagggtccg gtgcgcccc cgcgaccctt gaaaatccgc gggaaggaat 240
agttttcacg ccaggtcgta ctcataaccg 270

<210> 16585
<211> 275
<212> DNA
<213> Aspergillus nidulans

<400> 16585

cttttttagcg aggtaactag ttcttctccg ttccctcagc gaggctgaaa ataaacaacg 60
gccctcttca tcagcaacta tatatttcgg tgttaggcag tgggtagcct acgagccaaa 120
gtacaggcat cttgagacct gaaagtacct agcccataa atcatataca tagataatac 180
taggctaattg ggcagccgaa atgttttcgc gcggtcgagg acaaagcgaa ccttgtccat 240
ggcaatggcg tcgacgaaca gtgggctctg gaccg 275

<210> 16586
<211> 279
<212> DNA
<213> Aspergillus nidulans

<400> 16586

aaccactttg cggcggttgc gtcagacgcg gtcagtttcg aggtgtacct accacttaac 60

ccggactttg atctgcatca tcatctactt gcgggggtggg gagtacctat cggcgagatg 120
 tttgatttgg atgggttggc ggagatgtgt atacaacatg gtcgctggac gtttttcgtc 180
 tcgagtagcc ctttgaactg tgcgaatggg gtctcgagtc ccccgaacac tatggctatt 240
 ttttgatcag tcaaacttat gtgccgacgg ggtatatga 279

<210> 16587
 <211> 279
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16587
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 gagtcgcgct tttccaagga ccttttagtgg ttgtttttat ctatctgtgc aatatatcac 120
 cttgttgttt atattgtttg gtgttattta ctggttcatt gtatgttctg ggggagccat 180
 gtccttctag aagaggccga gttagggcct ggatattggt tatccgttgt catattgtgt 240
 atgttatttc agtgggtccat gcacttagga tgtcaactg 279

<210> 16588
 <211> 280
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16588
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 cttacgatat tgaccgcgtg aacacgcgcg agtcctttgg aggaaaatag agttcagcac 120
 ttgggtctct tacttatacc ccgatacata tagtctttag tctgcatctt tgcattgctt 180
 ttgcgcttta ccatttaaat gtgtccatgt gtgatgcgat ggaagcgaaa agtcattttg 240
 tctctctgca ttgttgatat ataccctgca tgatttggtg 280

<210> 16589
 <211> 282
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16589
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cgctccctcga gcccgctccag aaagcgatct tcgctgcagg tgcaggccgg taccaggac 120
 cgggcaacta caccgaatgc tgttgggtga cgtcggaac aggtcaattc aggccgggtg 180
 acgcagcaaa tcccgccatt gggaaggtgg gcgagcttga gaagatcgag gagctcaggg 240
 tcgagacgct ctgtgtggga gttgatgtgg cgaggaaagc gg 282

<210> 16590
 <211> 283
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16590
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 tttctgtctt cgatttggtt gttttttatt ttctttcatg ctatgtctaa caatcctggt 120
 cttttcattc atgttcaacc atgtttttcc ggatacccat accgttcctt aatacctctt 180
 gatggtttct acatcacggg cactccgagt tccctcctta gctgtcgttg tattttcatc 240
 ttacatagct ctactttcgt tatattcaca ccattcggaa gca 283

<210> 16591
 <211> 290
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16591
 gcgatgaaat cgcttacatt gcattgatttt cttctctcaa atctacttta cttattcatc 60
 atatctctat tccaatttct tccttttaggc gtttctctt tgcgagacca tggattcatc 120
 agccagtatc atgtccctgt tagcaccact tccttgtctt ctgtctacaa ctactcttcc 180
 caactctgca agctagccga ctgcgacctc cacctgccat tttctactta gactaagaga 240
 atgagttacc ttcgtcgtga tatagataag atatgctgca gtgtgtttga 290

<210> 16592
 <211> 293
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16592
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gctcctggca gtgactgac atcctctgcc gatttgcgtg cggtcactct ggtgttgacg 120
 acccaaatcg ggtttgtgag caggacagtt gcactccctg caattgctcc ggctatcatc 180
 gattcgagtg ttgacaattt ctttgaacga cctgcttttt cggcagcctt ctcgaaggca 240
 gacctggtcc attcgtagca gtagtagtag acaaagttcg tgacgctgat acc 293

<210> 16593
 <211> 297
 <212> DNA
 <213> Aspergillus nidulans

<400> 16593
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 cacatatggc agtcctattc tttgttgcgc aaatttatatt atatgttttc tgtgtaaatt 180
 acaaaaagcgt gggcgggttc tcgtcgcttc attttcctac cttttgatta aaaactgctg 240
 ttttateggt tttccttggt agatcaatat tgggaggctt tctgagagtt cgttttt 297

<210> 16594
 <211> 298
 <212> DNA
 <213> Aspergillus nidulans

<400> 16594
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 atactccaag cacacggccg tcggcggttc tacctggttg gtcgccacgt acgtcacctc 120
 caacctaatc ctcaacagcc tcaactacta ctggttctca aagatgattg aaactgtgat 180
 gaagcgcttc cgtcctcaga aagagcaatc caaggtggca gagaaactta aggagcataa 240
 caaggaagct agcgcggtgg aggagcttgc gcagaggctg ttctcgacgc cgcattcca 298

<210> 16595
 <211> 301
 <212> DNA
 <213> Aspergillus nidulans

<400> 16595
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tcttgcata gcttctctct tcttcgacct gctcttctca ataccgccga ggttaccaac 120
gtcatgacat tatattttcg tctcattttc atttagcgct tttgttacgg caaacaggca 180
tgaggagtct gatcagccgc taggagtggc tttggctggg aaataccgct ctgatgttgt 240
attgtatttg tacatagaca tatagctagt ttctctacta ataatcatga tccccggagg 300
a 301

<210> 16596
<211> 303
<212> DNA
<213> Aspergillus nidulans

<400> 16596
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aagagtacaa aacaccctca gtccgactgc catcagagca atcaggcgat tatcgacaat 120
tcccacgccg caggctcggct ataacaggat ctggctcgtag gcatctgaaa ttgagttgcg 180
ttgccctgtc aggtagggtt ctatggagac tggttccggt ttactctgc gattagatct 240
attcgggtcaa aaaatataga acgtaagagt gaaagaatac attgcaaggc tgccatcctt 300
tct 303

<210> 16597
<211> 306
<212> DNA
<213> Aspergillus nidulans

<400> 16597
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aactagtctt ccacgtcccc ccatcgctccc tcgagcccggt ccagaaagcg atcttcgctg 120
cagggtgcagg ccggtaccca ggaccgggca actacaccga atgctgttgg gtgacgtcgg 180
gaacagggtca attcaggccg ggtgacgcag caaatccgc cattgggaag gtgggcgagc 240
ttgagaagat cgaggagctc agggtcgaga cgctctgtgt gggagttgat gtggcgagga 300
aagcgg 306

<210> 16598
<211> 306

<212> DNA
 <213> Aspergillus nidulans

<400> 16598

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 tttgttttcc tcaccttaat tttcggagtc attgatacag cagtggattg tttatggttg 180
 tgttgctacg gcgcgtttgg cacgggtttg ttgaaggcgt tcttgagctt acatcatctc 240
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 cgccgg 306

<210> 16599
 <211> 307
 <212> DNA
 <213> Aspergillus nidulans

<400> 16599

ggaattgcag tgcgccacga atatttcgtc catgaggatg gacagagtct gcatgcgcgg 60
 tactgcctgc gcttgattca gttcactgtt ggctcggcag ggatcccatg gacagcctga 120
 ctgatcgccg agggcgattt ttcattcatt tcttttcttt cctttgtgct tcaaagtctt 180
 aacagacca cttgggagta tacttattct agcttaccct cctgggaccc cgtgtatata 240
 ccctaccaac ctagagggtc gcttgctttg tgggtggcggc ttaaactaca tatcacatat 300
 ctgatta 307

<210> 16600
 <211> 308
 <212> DNA
 <213> Aspergillus nidulans

<400> 16600

tgctggggaa tgaaggcgaa tttgcacgag tgatacgaga tctattctaa gatcttatat 60
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 caagctcttt gtaggttggtg caattttata gtacggtcag gcagagttat tggcctgagg 180
 ccaaagcacg tgactacttg acatcgggtcc ttgggtctctc tcgtcgtctc agtccttag 240
 cgcttgtagc gagacagcac gatgtcattc taagtgttcg ttctcataca attccatgga 300

cctttcca

308

<210> 16601
<211> 308
<212> DNA
<213> *Aspergillus nidulans*

<400> 16601

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tactgectgc gcttgattca gttcactggt ggctcggcag ggatcccatg gacagcctga 120
ctgatcgccg agggcgattt ttcattcatt tcttttcttt cctttgtgct tcaaagtctt 180
aacagaccca cttgggagta tacttattct agcttaccct cctgggaccc cgtgtatata 240
ccctaccaac ctagagggtc gcttgctttg tggcggcggc ttaaactaca tatcacatat 300
ctgattat 308

<210> 16602
<211> 308
<212> DNA
<213> *Aspergillus nidulans*

<400> 16602

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gtacggatac tatgatcttt tgtgtttaca tcggataccc attctacgcg tcttttctcc 120
caagctcttt gtaggttgtg caattttata gtacggtcag gcagagttat tggcctgagg 180
ccaaagcacg tgactacttg acatcggtcc ttggtctctc tcgtcgtctc agtccttag 240
cgcttgtagc gagacagcac gatgtcattc taagtgttcg ttctcataca attccatgga 300
cctttcca 308

<210> 16603
<211> 310
<212> DNA
<213> *Aspergillus nidulans*

<400> 16603

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ctgcagagtc ggcaccagga gtccttctg aaagcactgt atcaacagct gaagcggcgt 120

aaggtcgttt tattccatgt tctgtaaaga ggcgagcagc agatatccct tattgtttat 180
 tcctgtttct tgtgtgtaag ctataataaa ctttatgtta tggcaaattc tgggcgtgca 240
 atcgaccttc gctccatagt cgtgatcctc cttaagttca aattgctcaa tgcaaaatac 300
 atcacacca 310

<210> 16604
 <211> 310
 <212> DNA
 <213> Aspergillus nidulans

<400> 16604
 tcgcgtgctt gcttacgac ttctcacaga ggagctaact atagaaggta tagctgaggt 60
 atattttacga aaaatcaaag tgcaagaaac agtctatgtg tttcattcag tagataaagg 120
 atagaactat cataacaccg tcaagggtgac atgtgaggca acaaagaagg tataaggcctt 180
 gccagatta accgtgaaga ataagaaacc catccaacgc cgcgcagggtt ggctaaccgc 240
 tagatgagcc gtaagatcga aatcaaagag agtcattaat tgccgccgcg gagacggagg 300
 accaggtgga 310

<210> 16605
 <211> 315
 <212> DNA
 <213> Aspergillus nidulans

<400> 16605
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 gagaggtaaa atggatgcat tgaggaaatg agaaaagagg tagacatgaa caaaaggcgg 180
 cgaagatgag gaaaagaagt aggaaaagag aacaccaatc cctattgtga gcacaaagta 240
 ccttccttat agaaatagaa catgatcagc gtaaagagtc aagtcggagt cgctggaatt 300
 taggatgcgg ggagg 315

<210> 16606
 <211> 320
 <212> DNA
 <213> Aspergillus nidulans

<400> 16606

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gttactggat ggaagaaggg cgcgtttagg gcagctgggt tggacagcct ccggaccatg 120
accgccggta tgcgcaggct gatgaacacg tttgtgtttt gtacaagtga gtcctcaacg 180
ataaatccac aatcctcttg aagctactaa tggtcgattg gagactatga gaagggcggg 240
catgttagga gtaagtatat gtacgatatt tatcagaagg aagtgtcctt ctagtacctg 300
gcagagtggc ctttggtatc 320

<210> 16607

<211> 320

<212> DNA

<213> *Aspergillus nidulans*

<400> 16607

gccacggcct ccaggacttc acaatgcctt ttatgatcaa cttcctctgc gagcaaacac 60
gtacgataga gatgctgaag aaggacaacg aggagcggaa ggcacgagag gtgacgcaaa 120
agaaggacga ggacaacacg ccgattctag gcggatccag gctcatcgtg acgcagggtc 180
cagcagcgcc agcacctcct gtctacggac aagcgaatgg gataacgccg caggccacgg 240
ggttccgtcc tttctaagct cgccttgtct ttttgagggg tagattttct ttccgcaagt 300
gtatttcaact atttctgata 320

<210> 16608

<211> 321

<212> DNA

<213> *Aspergillus nidulans*

<400> 16608

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ttaagggctg ctcggtaccg gattgagggg gagtgataaa tgcgttcggc acacaacctt 120
gttacttcga cggacgcgat gaaggcatct ctgattctat aatacttggg ggtgtacact 180
ttaccgacgc accgaggccc ttgagatgtt ctgctaccac tagcatggta ggcgatcattt 240
gcatgatagg gttcctccag tcggttatcc tggttttact gacaaccatt acataaacgg 300
atacaaatat attcaaattg t 321

<210> 16609
 <211> 327
 <212> DNA
 <213> Aspergillus nidulans

<400> 16609

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 ttatgaccgg attccctga ttgaagctta tagtgtgata tccctgctcg gaatatataa 120
 actctgcata ttgacttggg ttcagccatt gctaaccatc aaatgtctta tcttttctca 180
 tttggaacag tttctaaata cgtctcagac tatcaaagga agcgatgttc ggattacttt 240
 cagttcatcc ggggacgcca ttgggtagca gttgctcatt cagtcagctc tagattcacc 300
 tctcaatggc cttaagttca tgctgta 327

<210> 16610
 <211> 331
 <212> DNA
 <213> Aspergillus nidulans

<400> 16610

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 gtatcaaagg ctaacatatg acatacaggc tcgtttcgag gtccagaagg ctcacgcca 180
 gatcagggca gctgctccta aggcttagat ggtaaatgag gctcggtgca tagagtgaag 240
 gggatatctgg gacggtttca ctttgctgag ggtttaaatt cagcaactcg ctgtatgcat 300
 tatcattgac agcataaaaa tgacttaaga a 331

<210> 16611
 <211> 332
 <212> DNA
 <213> Aspergillus nidulans

<400> 16611

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 tctacatacc aacacaggcg tattgttcaa gcacgatgcc gacctatatg gtacgtcttc 120
 agccctcaac tgtgtaattg gaaacttatg gactgttgaa tagatcaaac tcaagcctag 180

cgcaacagca gaggatatcc aagcgtatgg attccagact ctccgagagc ctagaatatt 240
 taatgtttac accgtatagg gtgaaggaca gcgctgtctc caacggaggc accataactc 300
 acgagtacaa gctgatcaag ggatttgcgt ga 332

<210> 16612
 <211> 333
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16612

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 tgctaactcc ccattgctaca gcattccagc tcgtcaccgg tcgtgtatgg cgcggctgtg 180
 ctttcggtgg tatcaagggc cgcactcaac tccttggcct ggtggatgac tatctggatg 240
 gcaagctcaa ggtggatgag ttcatcacc accgtgagcc cctcgccaac atcaaacactg 300
 cctttgagca gatgaaggcg ggtgactgca tcc 333

<210> 16613
 <211> 334
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16613

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 cttgtcctcg cactcgtagc accgggttcc gaagcttacc ccccgattgt cgaatacccg 180
 cttaaacagg cagacgcggc tccccgagcc tcgaaacgtc ccgcaccata tgaactcctc 240
 gatactatac cagcgtataa ggatatttgg tgttagaata tactggcaat gacgatgatg 300
 tgtttctgca attcgagatc aaatactcat cggc 334

<210> 16614
 <211> 336
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16614

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ctggaacctc accgtcgcg atattggaat tccccaaata gcctggcgca aattcggcac 180
gcgccgacgg cacggaatcg actttggtaa ccgatgggtt gtgtcgctgc gctaccagcc 240
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attgaggcgt tgtggtagag aaaacactct gacttt 336

<210> 16615
<211> 340
<212> DNA
<213> Aspergillus nidulans

<400> 16615
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gcgctgcttg aaccaccgca tagtctcggt ctggttgata cgggtggctgg caccgatggg 120
ggacttgtag cgggcgacgt tggcaacgcg ctcaccaggg cgggtcctgt ttccttgtag 180
cagtctgat agccttgcta agaagagagc tcatggcccc aaaagtgtcc aactcacatg 240
cagcagtaga agtccatgcc gtagatacca atgttggggg cgtacttgat accaagatca 300
atgtgctcgc tgataccgaa gccgaagtta ccggtctcgg 340

<210> 16616
<211> 342
<212> DNA
<213> Aspergillus nidulans

<400> 16616
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aaattttttt ttgcacaaag aacctgggtg ttgtcaactc ttatctcgcg tttcttttct 120
ctcatagacc atgcctttta ctatcaccaa gcgctgttcg cttctgctct cctgtataat 180
ataatggcgc gaaatatcga aaagtgggtt tgggaggcga tccttggttg agattgacac 240
cattttctc ttcacaaagg atatcgatat gttgacgtct ttcgcctcac gcatgttctt 300
ttaattacag tatcaacatc acgagcggat gatgaatgga ca 342

<210> 16617
 <211> 342
 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 16617

 cggacggcca ttcgaccagt tgctcggcgg gggacagttg gatcttggtg cgaaaacact 60
 gtccgacttt cgcacgcaaa gaccgagcgt ggttcagaac ttaagtcagt ttgtactttg 120
 ctacgaaagc atcctagagt gggcggtagc ccagatgccg agggagagcc cgggataaca 180
 ttataaatcg ttgtctcttc tcgttagtta ttttgatgat tacatccatg agcgcatttt 240
 aagaggtggt tgggtgttct tcgaggcgga tcttgatatt accaggtggt gaggcccggc 300
 agagcttata gagaatacgg taatcaaata tgtaaggaac ca 342

<210> 16618
 <211> 344
 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 16618

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 tgccctttat cctctgagca tattccacaa cagatatcga aggtatttcc cgaaagtctc 120
 taaaaacatg attggaaggt ttctatatcg ccggtagcac agctggcctg acttcacat 180
 gcaatgtcgc cgggtgtccc cgctgtttct gagacggaaa tgacgttgat tagacctcga 240
 ggccggggcg ttttggtctc acaccgatgg gttagtcgtg cgtcctgaga tatgcataga 300
 cgacaggtgg agatatggaa tcaagggata gacccaaaac aagg 344

<210> 16619
 <211> 344
 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 16619

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 tgccctttat cctctgagca tattccacaa cagatatcga aggtatttcc cgaaagtctc 120
 taaaaacatg attggaaggt ttctatatcg ccggtagcac agctggcctg acttcacat 180
 gcaatgtcgc cgggtgtccc cgctgtttct gagacggaaa tgacgttgat tagacctcga 240

ggccggggcg ttttggcttc acaccgatgg gttagtcgtg cgtcctgaga tatgcataga 300
cgacaggtgg agatatggaa tcaaggata gacccaaaac aagg 344

<210> 16620
<211> 344
<212> DNA
<213> *Aspergillus nidulans*
<400> 16620

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tgccctttat cctctgagca tattccacaa cagatatcga aggtatttcc cgaaagtctc 120
tacaaacatg attggaaggt ttctatatcg ccggtagcac agctggcctg acttcaccat 180
gcaatgtcgc cgggtgtcccg cgctgtttct gagacggaaa tgacgttgat tagacctcga 240
ggccggggcg ttttggcttc acaccgatgg gttagtcgtg cgtcctgaga tatgcataga 300
cgacaggtgg agatatggaa tcaaggata gacccaaaac aagg 344

<210> 16621
<211> 346
<212> DNA
<213> *Aspergillus nidulans*
<400> 16621

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ctggactctc ctttcctttc ctctcactac ctctctcccg cctcctttg gtcaccagg 120
atttccttta caattttctc acttttttat cctccgttct acgtatactc ggcgttctaa 180
agcattggat ctggagatag gacttgggtt tgcggtcatt gtgcgctttt ttttttttg 240
gcagggttca cccgatgcgc ccgtttttgc tcttgttcga attactgtta tggaagacat 300
aagtaaccat aatgctatta agctgcgtcg attcgacgtt agctaa 346

<210> 16622
<211> 346
<212> DNA
<213> *Aspergillus nidulans*
<400> 16622

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gattggtgcg ctctcgatc atactactat actccatcgc cttgtataaa tcactctata 120
ctctcccaat ctgaaacgca atttccgcat gcttcttggg aagtggcccc tctcactcca 180
gttcacgctc atctgcaatc aatccacacc ctatgtcttg ttgtcataat tcgtgcacgc 240
ccggcatttc caataccaag ccttgggtgt tcccctgagt ggatcgcaga caaagacttt 300
gatcaaggcc cactgttata ccactctttc tgggtgctcc ctgcgc 346

<210> 16623
<211> 347
<212> DNA
<213> Aspergillus nidulans

<400> 16623

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gtcgtcgctg aacgcttctc caacggcgtg aaccagacct actctgcctc tgacgccatt 120
cagtttgacg ccgtcgttgt tgcccctgga gcggaagaagc tcttcggtgc caagtccgcg 180
gccaactcca gctcaacct ctaccctgcc ggccgtcccc tcgaaatcct cgttgatgct 240
ttccgcttcg gtaagccagt cgctgctctt ggcagcggct ccactgcttt cgacaacgct 300
ggatatcaaca ccgccgtcga gggcgtgtac gttgccgatg ccgtgga 347

<210> 16624
<211> 347
<212> DNA
<213> Aspergillus nidulans

<400> 16624

cctgtagtac tccgcatccg cagtacagaa attcatgcaa tcatcatcat ataacaccaa 60
ggaacaacaa ctgagataaa gagggatttc acttccgccc aaaccagccg gaaactgtgc 120
tcttcgcctc agacgccttc gcctctacat catggctcag cttgtttgcc tcctctttac 180
cagcctgggt taggtcatcc aacttccggt gtgcccgggc ggccctgggtcc ttgcccgcct 240
ggctcaagtc atccagcttc cgctgtgctt gggatgcaag gtcgggtgttc tttgtcgtgg 300
ggttgttcgc ctgaacacga gcacattagc atcatcgtaa agagata 347

<210> 16625
<211> 347

<212> DNA
 <213> *Aspergillus nidulans*
 <400> 16625
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 ccttgatcaa tacttggttg acgatcggcc tgcgcgaatc aaggagttgg gtgttttttg 120
 atggaagctt cgatggcagg tgatgcagac tgataaaatc caagagcaat ttaagcaaga 180
 gcgaaagcgt ttgggactgc cagaaccgcc gtcatttgag gagtgggtga aacagaagga 240
 gggatgaagtc aaggcgcaag tggaggaaca taccaacatt gccgaactca cgaagccaac 300
 ctacaacgaa aagaaccatt aacgtcaatt cgcatacaca ttctagc 347

<210> 16626
 <211> 355
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 16626
 ttggcgcttt tgggtggatta cgcgggctgg aaaatgggtt acggaccaac gtgcagagcg 60
 gctgagcat ggacgaaacc gtgttgatg gtatggtgaa tttcaacgag gcggtttcgc 120
 ggaccttcgt gccagacccc aagtctgcct ctccagcccc attggcgcca tagcacataa 180
 ccggactata atttctccac cattagggac tttattcgat aagcactttc agtgaggaaa 240
 tatgaactga tctggtgctc cttgaagtta gcctcaggat gcgcctgact gcccgaattt 300
 attctagctc cagcgtacta gaatcagcga ataaatactt tagaagaaga cattc 355

<210> 16627
 <211> 356
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 16627
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 atcggccaag accatctcga tgacctttgc atgttgagc aggacctcgt cttcaaccg 120
 cctgcctatc aactgaacgt ggcatggtgc gccctcgatt tcgtctggtt tgtctgcggc 180
 ttatcagcat ctttgaatgc ggctgcggtg cagaaacata caatcagggc tatattgcac 240
 gtcacgaata aactcggcgt cggcggcttt attagcatgc ccaaaccgga tgaggcaggc 300

aggatactat ttggcttagt ttattctttc catcagtaga atgagtttct tacgtc 356

<210> 16628
 <211> 357
 <212> DNA
 <213> Aspergillus nidulans

<400> 16628

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 gattgtcgat gtcaggaacg cgtcgtccgc gcagctacac catgcttctg tccgccaatg 120
 caagcctcga ctgcaaacta gaaaatttga ggattcggga atgtcttacc gatacgctat 180
 cgacacaaaa actgctggg aatggcggac acactccatc cttttgggta ggctcttaca 240
 ggggaggcaa atccatgttt agcgtcgtgg ccatacatta ctgatccttg cagcttctac 300
 agaaatcact ctcaatgtca cagggatact ggccattgac gtgcagaggt ggtggcg 357

<210> 16629
 <211> 362
 <212> DNA
 <213> Aspergillus nidulans

<400> 16629

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 agtcatacac ggcccttggt gcggctacca acttcttaga ggtaggtcat tgtgctcact 180
 gttccaattc aagatctaac tttgcgacag gctgaagaga gcgaagtcga gcagcacatt 240
 gggccgaagc tgttttcata gggcgggttt tgcattgaaa gacggtgcat gggacgttga 300
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<210> 16630
 <211> 365
 <212> DNA
 <213> Aspergillus nidulans

<400> 16630

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acgggggcttg gagaggggaa aaagtactga taccaagttt cgagtcttta ttctgggcct 120
caggaagctt ttctgacttc acgaactcgc gttgcgcttc gactactgcg caagcctttg 180
gcgggctctc aacctctctg gtctttaact ctgggtctcaa atattgggtc cacccgatat 240
attatgtatg cgggattctg tcgccgttga ggctggttca cgttcattgt tcaaacggac 300
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<210> 16631
<211> 366
<212> DNA
<213> Aspergillus nidulans

<400> 16631

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aagcgtgagg gtcgttaaaa atcattttgt ccttctccat tgcctttact ttgggcctga 180
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<210> 16632
<211> 367
<212> DNA
<213> Aspergillus nidulans

<400> 16632

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attctgttcg tctacatcgt cttcaatgca ttgcggtcgt ttttccttta ttggctgggt 180
cgtgtaccga aaaagaagtc gcaacagggtg aaaaagcagt aagaggggag cgaagagaat 240
cagcaaggct gcgtgatgac gtctactaga gcatgggcta aactgagtgt taactatcgt 300
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aggttat

367

<210> 16633
<211> 368
<212> DNA
<213> Aspergillus nidulans

<400> 16633

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gactcccacc gatactgtca tcgagacccc caccgactct actattaccg gtactactgg 180
tctcgagact gcaactgaaa cctcgacccc gacaacatct cagcctctca ttcctaccgg 240
aagcaccggt gtcattggct cctccagctt tgcaacatcc cctagcccga ccagctctac 300
aagcaccgga tcctcttcaa gtacaaccag ggactctacc tccacttcta cggcgactga 360
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<210> 16634
<211> 370
<212> DNA
<213> Aspergillus nidulans

<400> 16634

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tgctctccgc cttggagtct cggatcgcg tggacacgat atcgctcatct ctgaagtctt 180
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tctttgacca tgacgactat gataccacta cagctcgttg gcccgagca atcaagggtc 300
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aagctctgtg 370

<210> 16635
<211> 370
<212> DNA
<213> Aspergillus nidulans

<400> 16635

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<210> 16636
 <211> 372
 <212> DNA
 <213> Aspergillus nidulans

<400> 16636
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 aacagcagag gcagagtcct atgcgaaagt gatttctatg ctattgtttg ctttggcgct 180
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 cttatccgaa aatgtcgagt tcttccgca cttactact tacatatattt tgccctggct 300
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<210> 16637
 <211> 372
 <212> DNA
 <213> Aspergillus nidulans

<400> 16637
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 catccccact accaccggca ctgagtccag cacccccacc agctctccca cgggcacccc 180
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